

**BEFORE THE
PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA**

DOCKET NO. 2020-1-E

In the Matter of
Annual Review of Base Rates
for Fuel Costs for
Duke Energy Progress, LLC

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**DIRECT TESTIMONY OF
DANA M. HARRINGTON FOR
DUKE ENERGY PROGRESS, LLC**

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is Dana M. Harrington, and my business address is 550 South Tryon Street,
3 Charlotte, North Carolina.

4 **Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?**

5 A. I am a Rates Manager supporting both Duke Energy Progress, LLC (“DEP” or the
6 “Company”) and Duke Energy Carolinas, LLC (“DEC”) (collectively, the “Companies”).

7 **Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND**
8 **PROFESSIONAL EXPERIENCE.**

9 A. I received a Bachelor of Arts degree in Psychology with Honors from the University of
10 North Carolina at Chapel Hill and I am a certified public accountant licensed in the State
11 of North Carolina. I began my accounting career in 2005 with Greer and Walker, LLC as
12 a tax accountant and later a staff auditor. From 2007 until 2010 I was an Accounting
13 Analyst with Duke Energy in the Finance organization. In 2010, I joined the Rates
14 Department as a Lead Accounting Analyst where I spent eight years before being promoted
15 to the position of Rates and Regulatory Strategy Manager. I have served in the Rates
16 Manager capacity for one year.

17 **Q. HAVE YOU TESTIFIED BEFORE THIS COMMISSION IN ANY PRIOR**
18 **PROCEEDINGS?**

19 A. Yes, I testified in DEP’s 2019 fuel costs proceeding in Docket No. 2019-1-E.

20 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?**

21 A. The purpose of my testimony is to provide DEP’s actual fuel, capacity-related costs
22 including Public Utility Regulatory Policies Act of 1978 (“PURPA”) capacity,
23 environmental, and Distributed Energy Resource Program (“DERP”) cost data for March

1 1, 2019 through February 29, 2020 (the “review period”), the estimated fuel, capacity-
2 related costs, environmental and DERP cost information for March 1, 2020 through June
3 30, 2020 (the “estimated period”), and DEP’s proposed fuel factors by customer class for
4 July 1, 2020 through June 30, 2021 (the “billing period”). I have provided fourteen exhibits
5 to support my testimony.

6 **Q. WHAT IS THE SOURCE OF THE ACTUAL INFORMATION AND DATA FOR**
7 **THE REVIEW PERIOD?**

8 A. Actual test period kilowatt hour (“kWh”) generation, kilowatt (“kW”) and kWh sales, fuel-
9 related revenues, fuel-related expenses, and DERP revenues and expenses were taken from
10 DEP’s books and records. These books, records, and reports of DEP are subject to review
11 by the appropriate regulatory agencies in the three jurisdictions that regulate DEP’s electric
12 rates.

13 In addition, independent auditors perform an annual audit to provide assurance that,
14 in all material respects, internal accounting controls are operating effectively and DEP’s
15 financial statements are accurate.

16 **Q. DOES DEP PURCHASE POWER AND HOW ARE THESE COSTS RECORDED?**

17 A. Yes. The Company continuously evaluates purchasing power if it can be reliably procured
18 and delivered at a price that is less than the variable cost of DEP’s generation. In
19 accordance with S.C. Code Ann. § 58-27-865(A), from its South Carolina retail customers,
20 DEP recovers an amount that is the lower of the purchase price or DEP’s avoided variable
21 cost for generating an equivalent amount of power. The Company also engages in
22 economy purchases and economy sales with DEC as a result of the Joint Dispatch
23 Agreement.

1 The Company also purchases power from certain suppliers that are treated as firm
2 generation capacity purchases. In accordance with S.C. Code Ann. § 58-27-865(A)(2)(a),
3 all amounts paid to these suppliers are recorded as recoverable fuel costs with the exception
4 of capacity charges.

5 Finally, the Company routinely purchases power from qualifying facilities under
6 PURPA. According to Act 236, set forth in S.C. Code Ann. § 58-27-865(A), the avoided
7 cost payments for such purchases are included in fuel costs recoverable from South
8 Carolina retail customers.

9 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 1.**

10 A. Harrington Exhibit No. 1 is a summary of DEP's proposed fuel rate components for the
11 billing period. The components are: (1) base fuel costs, (2) capacity-related costs, (3)
12 DERP avoided costs, (4) variable environmental costs, and (5) DERP incremental costs.
13 Harrington Exhibit No. 1 presents proposed fuel rates for residential customers including
14 an amount added to account for the 5% discount provided to residential customers under
15 DEP's SC Residential Service Energy Conservation Discount Rider RECD-2C. As shown
16 on Harrington Exhibit No. 6, this discount impacts approximately 14.4% of DEP's South
17 Carolina residential sales. These fuel rate components are supported by Harrington Exhibit
18 Nos. 2 through 14 and are individually discussed further in this testimony.

19 The following table shows the rates and monthly charges proposed by the Company
20 in this proceeding as reflected on Harrington Exhibit No. 1. The DERP incremental cost
21 component is computed as a dollar amount per customer account since these amounts are
22 subject to per-account cost caps established by Act 236. All other fuel components are
23 computed as a cents per kWh rate or a cents per kW rate depending on the customer class.

DUKE ENERGY PROGRESS, LLC			Exhibit 1	
SOUTH CAROLINA RETAIL FUEL CASE			DOCKET NO. 2020-1-E	
CALCULATION OF TOTAL FUEL COMPONENT				
BILLING PERIOD JULY 1, 2020 TO JUNE 30, 2021				
Description	Customer Class			
	Cents / kWh			
	Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs				
Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2020	0.057	0.057	0.057	0.057
Base Fuel Cost Component Projected Billing Period	1.830	1.830	1.830	1.830
Total Base Fuel Cost Component	1.887	1.887	1.887	1.887
Total Base Fuel Cost Component Increased for RECD	1.901			
Capacity Related Cost	Cents / kWh			Cents / kW
Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2020	0.021	(0.033)	0.000	17
Capacity Related Cost Component Projected Billing Period	0.507	0.391	0.000	91
Total Capacity Related Cost Component	0.528	0.358	0.000	108
Total Capacity Related Cost Component Increased for RECD	0.532			
Distributed Energy Resource Program (DERP) Avoided Costs	Cents / kWh			Cents / kW
DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2020	(0.001)	(0.001)	0.000	1
DERP Avoided Costs Projected Billing Period	0.003	0.002	0.000	1
Total DERP Avoided Cost Component	0.002	0.001	0.000	2
Total DERP Avoided Cost Component Increased for RECD	0.002			
Environmental Costs	Cents / kWh			Cents / kW
Environmental Component (Over) / Under Recovered Balance as of June 30, 2020	(0.018)	(0.018)	0.000	(1)
Environmental Component Projected Billing Period	0.039	0.030	0.000	7
Total Environmental Component	0.021	0.012	0.000	6
Total Environmental Cost Component Increased for RECD	0.021			
Total Fuel Cost Factor - Cents/ kWh	2.456	2.258	1.887	1.887
Total Demand Fuel Cost Factor - Cents/ kW				116
	Dollars			
Distributed Energy Resource Program Incremental Cost per Account	Residential	Commercial		Industrial
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2020				
Annual Charge	\$ 0.94	\$ 2.01		\$ 156.79
Monthly Charge	\$ 0.08	\$ 0.17		\$ 13.07
DERP Incremental Projected Billing Period				
Annual Charge	\$ 18.31	\$ 41.99		\$ 3,342.58
Monthly Charge	\$ 1.53	\$ 3.50		\$ 278.55
Total DERP Annual Charge - Excluding GRT	\$ 11.94	\$ 44.00		\$ 1,194.01
Total DERP Monthly Charge - Excluding GRT	\$ 1.00	\$ 3.67		\$ 99.50
Total DERP Annual Charge -Including GRT	\$ 12.00	\$ 44.22		\$ 1,200.00
Total DERP Monthly Charge - Including GRT	\$ 1.00	\$ 3.69		\$ 100.00

Act 236 requires that capacity-related costs and avoided costs of distributed energy resource programs be tracked separately and allocated and recovered among customer

1 classes using the same method that is used to allocate and recover variable environmental
2 costs.

3 In addition, Harrington Exhibit No. 1 includes the billing period per-account charge
4 per month of \$1.00, \$3.69 and \$100.00, including Gross Receipts Tax ("GRT"), for South
5 Carolina Residential, Commercial, and Industrial customers, respectively. The monthly
6 DERP incremental per-account charge recovers 100% of the DERP incremental costs, in
7 accordance with S.C. Code Ann. § 58-27-865(A)(1). Act 236 requires that the incremental
8 costs of DERP be allocated among customer classes using the same method that is used to
9 allocate variable environmental costs.

10 **Q. HOW DID DEP'S FUEL REVENUE BILLINGS COMPARE TO THE FUEL**
11 **COSTS INCURRED DURING THE MARCH 2019 TO JUNE 2020 TIME PERIOD?**

12 A. Harrington Exhibit No. 2 is a monthly comparison of fuel revenues collected from South
13 Carolina retail customers to the actual and estimated jurisdictional fuel costs attributable
14 to those sales. The Company currently estimates that its deferred base fuel cost balance
15 will be an under-collection of approximately \$3.8 million at June 30, 2020.

16 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 3.**

17 A. Harrington Exhibit No. 3 presents DEP's proposed base fuel rate of 1.830¢/kWh for the
18 billing period to recover South Carolina's retail share of approximately \$1.1 billion of
19 projected system fuel expense. The South Carolina retail share of approximately \$122
20 million incorporates net metering avoided fuel benefits assigned fully to SC retail
21 customers.

22 The fuel forecast supporting the projected fuel cost was generated by an hourly
23 dispatch model that considers the latest forecasted fuel prices, planned maintenance and

1 scheduled refueling outages at the generating plants, forced outages derived from historical
2 trends, generating unit performance parameters, and expected market conditions associated
3 with power purchases and off-system sales opportunities. In addition, the forecasting
4 model reflects the joint dispatch of the combined power supply resources of DEC and DEP.

5 **Q. PLEASE PROVIDE A STATUS UPDATE OF ENVIRONMENTAL COSTS**
6 **COLLECTION.**

7 A. During the review period, DEP recovered variable environmental costs and the costs of
8 emission allowances through the environmental component of the fuel rate. Environmental
9 costs allocated to the South Carolina retail jurisdiction during the review period were
10 approximately \$1.5 million, as shown on Harrington Exhibit No. 4. The Company
11 currently estimates that its deferred environmental cost balance will be an over-collection
12 of approximately \$605,879 at June 30, 2020.

13 **Q. HAVE YOU PROVIDED A FORECAST OF ENVIRONMENTAL COSTS?**

14 A. Yes. Harrington Exhibit No. 5 presents DEP's projected system environmental costs for
15 the billing period of approximately \$15.6 million. The South Carolina retail portion is
16 projected to be approximately \$1.7 million.

17 **Q. PLEASE DESCRIBE EMISSION-REDUCING CHEMICALS THAT DEP**
18 **INCLUDED IN THE PROPOSED FUEL RATE IN THIS FILING.**

19 A. As Company Witness Turner explains more specifically in her testimony, DEP uses
20 emission-reducing chemicals at its fossil/hydro plants to help it provide low cost, reliable
21 electric generation for its customers while complying with state and federal environmental
22 control obligations. As a result, DEP has included the cost of magnesium hydroxide,
23 calcium carbonate, ammonia, urea, limestone, lime, and hydrated lime incurred during the

1 review period in its fuel cost recovery application. Mercury and Air Toxics Standards
2 (“MATS”) chemicals that DEP may use in the future to reduce emissions include, but may
3 not be limited to, activated carbon, mercury oxidation chemicals, and mercury re-emission
4 prevention chemicals.

5 **Q. HOW DID DEP ALLOCATE ENVIRONMENTAL COSTS?**

6 A. DEP allocated the South Carolina retail portion of environmental costs to Residential,
7 General Service (non-demand), and General Service (demand) rate classes based upon the
8 firm coincident peak demand of each class for the prior year. The 2018 firm coincident
9 peak demand was used to allocate costs for the period March 2019 – December 2019 and
10 the 2019 firm coincident peak demand was used to allocate costs for the period January
11 2020 – June 2021. This allocation is shown on Harrington Exhibit Nos. 4 and 5.

12 Calendar year 2019 firm coincident peak demand data did not become available
13 until after the February 2020 Monthly Fuel Report had been filed; therefore, an adjustment
14 to the allocation of environmental costs between the customer classes is reflected in the
15 month of March 2020 on Exhibit 4 pages 2, 4, and 6 applicable to the months of January
16 and February 2020.

17 The total cost allocated to each class was divided by projected sales to arrive at a
18 cents per kWh rate for Residential and General Service (non-demand) schedules or a cents
19 per kW rate for General Service (demand) schedules. Allocations were consistent with
20 the methodology approved by this Commission in Order No. 2007-440, issued in DEP’s
21 2007 fuel review proceeding. This methodology has been consistently used in each fuel
22 case since the issuance of the 2007 Order.

1 **Q. PLEASE PROVIDE A STATUS UPDATE OF CAPACITY-RELATED COSTS**
2 **COLLECTION.**

3 A. During the review period, DEP recovered capacity-related costs, including PURPA
4 purchased power capacity costs and natural gas transportation (pipeline reservation/lease
5 costs) and storage costs through the capacity-related component of the fuel rate. Capacity-
6 related costs allocated to the South Carolina retail jurisdiction during the review period
7 were approximately \$24.4 million, as shown on Harrington Exhibit No. 7. The Company
8 currently estimates that its deferred capacity-related cost balance will be an under-
9 collection of approximately \$2.1 million at June 30, 2020.

10 **Q. HAVE YOU PROVIDED A FORECAST OF CAPACITY-RELATED COSTS?**

11 A. Yes. Harrington Exhibit No. 8 presents DEP's projected system capacity-related costs,
12 including PURPA purchased power capacity costs, natural gas transportation (pipeline
13 reservation/lease costs), and natural gas storage costs, for the billing period of
14 approximately \$202 million. The South Carolina retail portion is projected to be
15 approximately \$21.9 million.

16 **Q. HOW DID DEP ALLOCATE CAPACITY-RELATED COSTS?**

17 A. DEP allocated the South Carolina retail portion of capacity-related costs to the Residential,
18 General Service (non-demand), and General Service (demand) rate classes based upon the
19 firm coincident peak demand of each class for the prior year. The 2018 firm coincident
20 peak demand was used to allocate costs for the period March 2019 – December 2019 and
21 the 2019 firm coincident peak demand was used to allocate costs for the period January
22 2020 – June 2021. This allocation is shown on Harrington Exhibit Nos. 7 and 8.

1 Because calendar year 2019 firm coincident peak demand data did not become
2 available until after the February 2020 Monthly Fuel Report had been filed; an adjustment
3 to the allocation of capacity-related costs between the customer classes is reflected in the
4 month of March 2020 on Exhibit 7 pages 2, 4, and 6 applicable to the months of January
5 and February 2020.

6 The total cost allocated to each class was divided by projected sales to arrive at a
7 cents per kWh rate or cents per kW rate depending on the customer class. Allocations were
8 consistent with the methodology approved by this Commission in Order No. 2015-843,
9 issued in DEP's 2015 fuel review proceeding. This methodology has been consistently
10 used in each fuel case since the issuance of the 2015 Order.

11
12 **Q. WHAT DERP INCREMENTAL COSTS ARE INCLUDED IN THIS FILING?**

13 A. S.C. Code Ann. § 58-39-140 defines "incremental costs" as all reasonable and prudent
14 costs incurred by an electrical utility to implement a distributed energy resource program.
15 This filing includes the following categories of incremental costs:

- 16 • Costs associated with purchase power agreements ("PPA") in excess of the
17 Company's avoided cost rate, including those serving the purchased power needs
18 of the Shared Solar program;
- 19 • The DERP net energy metering ("NEM") Incentive, which is a credit available to
20 eligible NEM customer-generators, approved in Docket No. 2014-246-E;
- 21 • Amortization of solar rebate balances given to South Carolina residential and non-
22 residential customers to invest in or lease distributed generation;
- 23 • Carrying costs on unamortized solar rebate balances;

- 1 • An incentive utilized to lower the subscription charge customers pay to participate
- 2 in the Shared Solar program;
- 3 • Avoided capacity costs and administrative costs associated with NEM, recoverable
- 4 as an incremental cost based on S.C. Code Ann. § 58-40-20(F)(6);
- 5 • General and administrative costs, which include the cost of developing and
- 6 implementing programs, incremental labor, and additional revenue-grade meters;
- 7 and
- 8 • Carrying costs on under-collected balances due to per-account cost caps.

9 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP INCREMENTAL COSTS**
10 **COLLECTION.**

11 During the review period, DEP recovered DERP incremental costs, offset by any revenues
12 collected from program participants, through the DERP incremental cost per account
13 charge. Review period DERP incremental costs were approximately \$2.5 million, as shown
14 on Harrington Exhibit No. 9. The Company currently estimates that its deferred DERP
15 incremental cost balance will be an under-collection of approximately \$246,000 at June
16 30, 2020.

17 **Q. HOW DID DEP ALLOCATE DERP INCREMENTAL COSTS?**

18 DEP allocated 100% of DERP incremental costs to South Carolina Residential,
19 Commercial (General Service/Lighting), and Industrial rate classes based upon the firm
20 coincident peak demand of each class for the prior year. The 2018 firm coincident peak
21 demand was used to allocate costs for the period March 2019 – December 2019 and the
22 2019 firm coincident peak demand was used to allocate costs for the period January 2020
23 – June 2021. This allocation is shown on Harrington Exhibit Nos. 10 and 12. Each class's

1 allocated portion of incremental costs were divided by the number of accounts subject to
2 the DERP per-account charge in each class. This method results in an annual dollar per-
3 account charge which is billed as a separate fixed monthly component of the fuel factor by
4 customer class.

5 One exception to this approach is the allocation of the avoided capacity costs
6 associated with NEM that is included in the DERP incremental costs. This particular
7 incremental cost has been allocated to the South Carolina retail jurisdiction based on its
8 pro rata share of system peak demand, rather than 100%. This DERP incremental cost is
9 related to system generation supply resources. Costs and benefits associated with system
10 generation supply resources are traditionally allocated among all the Company's rate
11 jurisdictions since such generation supply resources are operated as a portfolio to serve its
12 native load customers in all rate jurisdictions.

13 Because the South Carolina retail share of system peak demand increased from
14 8.5% to 9.6% between calendar years 2018 and 2019, respectively, and because calendar
15 year 2019 firm coincident peak demand data did not become available until after the
16 February 2020 Monthly Fuel Report had been filed, an adjustment of \$807 to the South
17 Carolina retail share of avoided capacity costs associated with NEM is reflected in the
18 month of March 2020 on Exhibit 9 page 2 applicable to the months of January and February
19 2020.

20 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 10.**

21 A. Harrington Exhibit No. 10 presents the estimated deferred DERP incremental cost under-
22 collection at June 30, 2020 as a billing period monthly per-account increment of \$0.08,

1 \$0.17, and \$13.07, excluding GRT, for South Carolina Residential, Commercial, and
2 Industrial customers, respectively.

3 **Q. HAVE YOU PROVIDED A FORECAST OF DERP INCREMENTAL COSTS?**

4 A. Yes, Harrington Exhibit No. 11 itemizes DEP's projected DERP incremental costs by cost
5 type and month for the billing period. Total DERP incremental costs are projected to be
6 approximately \$5.0 million.

7 **Q. PLEASE EXPLAIN HARRINGTON EXHIBIT NO. 12.**

8 A. Harrington Exhibit No. 12 presents the projected DERP incremental costs for the billing
9 period as a billing period monthly per-account increment of \$1.53, \$3.50, and \$278.55,
10 excluding GRT, for South Carolina Residential, Commercial, and Industrial customers,
11 respectively. Proposed rates are subject to per-account cost caps.

12 **Q. HOW DOES THE COMPANY TREAT UNDER-COLLECTED DERP**
13 **INCREMENTAL COSTS RESULTING FROM REACHING THE PER-ACCOUNT**
14 **COST CAP?**

15 A. Consistent with Docket No. 2015-53-E, Order No. 2015-514, the Company reallocates
16 under-collected DERP incremental costs in excess of the per-account cost caps among all
17 customer classes with carrying costs applied at the three-year treasury rate plus 65 basis
18 points. Interest calculated on the monthly under-collected balance is shown as a separate
19 incremental cost on Harrington Exhibit Nos. 9 and 11.

20 **Q. HAVE ANY CUSTOMER CLASSES REACHED THE DERP PER-ACCOUNT**
21 **CAP IN THIS FILING?**

22 A. Yes, the Residential and Industrial customer classes reached the per-account cap in this
23 filing. As a result, for the billing period, proposed DERP incremental rates are limited to

1 a monthly per-account charge of \$1.00 for Residential customers and \$100.00 for Industrial
2 customers, including GRT.

3 **Q. WHAT DERP AVOIDED COSTS ARE INCLUDED IN THIS FILING?**

4 A. All DERP avoided costs included in this filing are related to third party purchases. The
5 DERP avoided costs in this filing refer to energy and capacity costs the utility avoids when
6 buying power from a third party rather than generating the power itself. S.C. Code Ann. §
7 58-39-140(A)(1) states that “avoided cost,” as defined for the purpose of differentiating
8 DERP program costs between incremental costs and avoided costs, includes “all costs paid
9 under avoided cost rates, or negotiated rates pursuant to PURPA, whichever is lower.” Any
10 amounts above avoided cost or above negotiated rates pursuant to PURPA from DERP
11 third party purchases are treated as DERP incremental costs in this filing.

12 **Q. PLEASE PROVIDE A STATUS UPDATE OF DERP AVOIDED COSTS**
13 **COLLECTION.**

14 A. During the review period, DEP recovered the DERP avoided costs of third-party purchases,
15 including the portion serving the purchased power needs of the Shared Solar program,
16 through the DERP avoided cost component of the fuel rate. As shown on Harrington
17 Exhibit No. 13, system DERP avoided costs during the review period were approximately
18 \$603,000, of which approximately \$61,000 has been allocated to the South Carolina retail
19 jurisdiction. The Company currently estimates that its South Carolina deferred DERP
20 avoided cost balance will be an under-collection of approximately \$37,000 at June 30,
21 2020.

22 **Q. HOW DID DEP ALLOCATE DERP AVOIDED COSTS?**

1 DEP allocated DERP avoided costs based on the same method used by the utility
2 to allocate and recover variable environmental costs. As such, DEP allocated the South
3 Carolina retail portion of DERP avoided costs to Residential, General Service (non-
4 demand), General Service (demand) and Lighting rate classes based upon the firm
5 coincident peak demand of each class for the prior year. The 2018 firm coincident peak
6 demand was used to allocate costs for the period March 2019 – December 2019 and the
7 2019 firm coincident peak demand was used to allocate costs for the period January 2020
8 – June 2021.

9 Because calendar year 2019 firm coincident peak demand data did not become
10 available until after the February 2020 Monthly Fuel Report had been filed; an adjustment
11 to the allocation of DERP avoided costs between the customer classes is reflected in the
12 month of March 2020 on Exhibit 13 pages 2, 4, and 6 applicable to the months of January
13 and February 2020.

14 The total cost allocated to each class was divided by projected sales to arrive at a
15 cents per kWh rate or cents per kW rate, depending on the customer class. This allocation
16 is shown on Harrington Exhibit Nos. 13 and 14.

17 **Q. HAVE YOU PROVIDED A FORECAST OF DERP AVOIDED COSTS?**

18 A. Yes. Harrington Exhibit No. 14 provides DEP's projected system DERP avoided costs for
19 the billing period of approximately \$1.2 million. The South Carolina retail portion is
20 projected to be approximately \$134,000.

21 **Q. ARE THERE OTHER ADJUSTMENTS TO THE EXHIBITS WHICH HAVE NOT**
22 **BEEN EXPLAINED?**

23 A. Yes. The month of February 2020 on Exhibit 2 page 3 includes a review period reduction

1 of \$866 to remove South Carolina's share of the total delivered costs on economy
2 purchases of electric power in excess of DEP's avoided variable costs for the generation of
3 an equivalent quantity of electric power in accordance with S.C. Code Ann. §
4 58-27-865(A)(2)(b) of the South Carolina fuel statute.

5 **Q. DO YOU BELIEVE DEP'S ACTUAL FUEL COSTS INCURRED DURING THE**
6 **REVIEW PERIOD WERE REASONABLE?**

7 A. Yes. I believe the costs were reasonable and that DEP has demonstrated that it has met the
8 criteria set forth in S.C. Code Ann. § 58-27-865. These costs also reflect DEP's continuing
9 efforts to maintain reliable service and an economical generation mix, thereby minimizing
10 the total cost of providing service to DEP's South Carolina retail customers.

11 **Q. DO YOU BELIEVE DEP'S ACTUAL DERP COSTS INCURRED DURING THE**
12 **PERIOD WERE REASONABLE?**

13 Yes. I also believe that the DERP costs were reasonable and that DEP has demonstrated
14 that it met the criteria set forth in S.C. Code Ann. § 58-39-130(A)(2).

15 **Q. WHAT ARE THE KEY DRIVERS IMPACTING THE PROPOSED FUEL**
16 **FACTOR?**

17 A. A number of factors contribute to the change in the proposed total fuel factor for all
18 customer classes. Total fuel rates projected for the billing period are decreasing primarily
19 due to decreasing natural gas prices. A secondary driver is that the under-collection of fuel
20 costs included in the 2020 proposed fuel rates is approximately half of the under-collection
21 of fuel costs reflected in existing rates.

22 **Q. INCLUDING THE DERP INCREMENTAL PER-ACCOUNT CHARGES, WHAT**
23 **IS THE IMPACT TO CUSTOMERS' BILLS IF THE PROPOSED FUEL COST,**

1 **CAPACITY-RELATED COST, DERP AVOIDED COST, AND ENVIROMENTAL**
2 **COST FACTORS ARE APPROVED BY THE COMMISSION?**

3 A. The impact of all components of this filing to customers' monthly bills on an average
4 Residential customer using 1,000 kWh per month is a decrease of \$4.11, or 3.5 percent.
5 The average decrease seen in the average monthly bill of General Service (non-demand),
6 General Service (demand) and Lighting customers is 1.9 percent, 2.3 percent, and 0.5
7 percent, respectively.

8 **Q. DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

9 A. Yes, it does.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF TOTAL FUEL COMPONENT
BILLING PERIOD JULY 1, 2020 TO JUNE 30, 2021

Exhibit 1
DOCKET NO. 2020-1-E

			Customer Class			
Line No.	Description	Reference	Cents / kWh			
			Residential	General Service (non-demand)	Lighting	General Service (demand)
Base Fuel Costs						
1	Base Fuel Cost Component (Over) / Under Recovered Balance as of June 30, 2020	Exhibit 2	0.057	0.057	0.057	0.057
2	Base Fuel Cost Component Projected Billing Period	Exhibit 3	1.830	1.830	1.830	1.830
3	Total Base Fuel Cost Component	Line 1 + Line 2	1.887	1.887	1.887	1.887
4	Total Base Fuel Cost Component Increased for RECD	Line 3 / (1-RECD factor)	1.901 [1]			
Capacity Related Cost						
5	Capacity Related Cost Component (Over) / Under Recovered Balance as of June 30, 2020	Exhibit 7	0.021	(0.033)	0.000	17
6	Capacity Related Cost Component Projected Billing Period	Exhibit 8	0.507	0.391	0.000	91
7	Total Capacity Related Cost Component	Line 5 + 6	0.528	0.358	0.000	108
8	Total Capacity Related Cost Component Increased for RECD	Line 7 / (1- RECD factor)	0.532 [1]			
Distributed Energy Resource Program (DERP) Avoided Costs						
9	DERP Avoided Cost (Over) / Under Recovered Balance as of June 30, 2020	Exhibit 13	(0.001)	(0.001)	0.000	1
10	DERP Avoided Costs Projected Billing Period	Exhibit 14	0.003	0.002	0.000	1
11	Total DERP Avoided Cost Component	Line 9 + 10	0.002	0.001	0.000	2
12	Total DERP Avoided Cost Component Increased for RECD	Line 11 / (1- RECD factor)	0.002 [1]			
Environmental Costs						
13	Environmental Component (Over) / Under Recovered Balance as of June 30, 2020	Exhibit 4	(0.018)	(0.018)	0.000	(1)
14	Environmental Component Projected Billing Period	Exhibit 5	0.039	0.030	0.000	7
15	Total Environmental Component	Line 13 + 14	0.021	0.012	0.000	6
16	Total Environmental Cost Component Increased for RECD	Line 15 / (1- RECD factor)	0.021 [1]			
17	Total Fuel Cost Factor - Cents/ kWh [2]	Line 4 + Line 8 + Line 12 + Line 16	2.456	2.258	1.887	1.887
18	Total Demand Fuel Cost Factor - Cents/ kW [2]	Line 7 + Line 11 + Line 15				116
			Dollars			
Distributed Energy Resource Program Incremental Cost per Account			Residential	Commercial	Industrial	
DERP Incremental (Over) / Under Recovered Balance as of June 30, 2020						
19	Annual Charge	Exhibit 10	\$ 0.94	\$ 2.01	\$ 156.79	
20	Monthly Charge	Exhibit 10	\$ 0.08	\$ 0.17	\$ 13.07	
DERP Incremental Projected Billing Period						
21	Annual Charge	Exhibit 12	\$ 18.31	\$ 41.99	\$ 3,342.58	
22	Monthly Charge	Exhibit 12	\$ 1.53	\$ 3.50	\$ 278.55	
23	Total DERP Annual Charge - Excluding GRT	Line 19 + Line 21	\$ 11.94	\$ 44.00	\$ 1,194.01	
24	Total DERP Monthly Charge - Excluding GRT	Line 20 + Line 22	\$ 1.00	\$ 3.67	\$ 99.50	
25	Total DERP Annual Charge -Including GRT	Line 19 + Line 21 / (1-tax rate)	\$ 12.00	\$ 44.22	\$ 1,200.00	
26	Total DERP Monthly Charge - Including GRT	Line 20 + Line 22 / (1-tax rate)	\$ 1.00	\$ 3.69	\$ 100.00	

Notes:

[1] RECD factor is 0.7179% and is calculated on Exhibit 6.

[2] The Fuel Cost Factors and Demand Fuel Cost Factor does not include Gross Receipts Tax ("GRT").

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
1	Coal	Monthly Fuel Filings	\$ 25,709,434	\$ 14,349,299	\$ 30,405,808	\$ 31,176,954	\$ 52,791,180	\$ 43,097,970
2	Gas	Monthly Fuel Filings	43,845,607	37,674,979	27,510,877	38,293,323	40,557,558	32,566,497
3	Nuclear Fuel	Monthly Fuel Filings	12,427,031	11,712,815	16,627,248	15,884,720	16,677,638	14,538,800
4	Purchased Power	Monthly Fuel Filings	32,137,342	44,660,472	43,884,842	41,687,216	38,571,137	45,113,865
5	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(9,466,461)	(9,980,829)	(4,205,145)	(6,757,228)	(7,507,605)	(5,461,205)
6	Total Fuel Costs	Sum Lines 1:5	\$ 104,652,953	\$ 98,416,735	\$ 114,223,630	\$ 120,284,985	\$ 141,089,908	\$ 129,855,927
7	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	80,204	61,174	90,413	60,957	94,730	78,704
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 104,733,157	\$ 98,477,909	\$ 114,314,043	\$ 120,345,942	\$ 141,184,638	\$ 129,934,631
9	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
10	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,501,687	1,908,116	2,820,137	1,901,372	2,953,297	2,451,233
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	4,555,483,303	4,400,075,435	4,871,085,654	5,339,757,119	6,253,744,755	6,167,171,504
12	System Cost per kWh (c/kWh)	Line 8 / Line 11 * 100	2.299	2.238	2.347	2.254	2.258	2.107
13	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
14	Eliminate the NEM impact kWh	Line 10	2,501,687	1,908,116	2,820,137	1,901,372	2,953,297	2,451,233
15	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 13 + Line 14	418,589,851	513,545,144	473,234,165	506,707,178	603,748,790	616,733,647
16	SC Base Fuel Costs	Line 12 * Line 15 / 100	\$ 9,623,619	\$ 11,493,634	\$ 11,105,801	\$ 11,420,025	\$ 13,630,243	\$ 12,993,811
17	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 7, opposite sign	(80,204)	(61,174)	(90,413)	(60,957)	(94,730)	(78,704)
18	Adjusted SC Base Fuel Costs	Line 16 + Line 17	\$ 9,543,415	\$ 11,432,460	\$ 11,015,388	\$ 11,359,068	\$ 13,535,513	\$ 12,915,107
19	Fuel Costs Collected	Monthly Fuel Filings	\$ 9,846,440	\$ 12,106,254	\$ 11,129,450	\$ 11,943,765	\$ 13,417,294	\$ 12,754,346
20	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	(20,835)	(14,300)	(22,786)	(13,810)	(21,397)	(17,233)
21	Adjusted Fuel Costs Collected	Line 19 + Line 20	\$ 9,825,605	\$ 12,091,954	\$ 11,106,664	\$ 11,929,955	\$ 13,395,897	\$ 12,737,113
22	Current Month (Over) / Under Recovered Balance	Line 18 - Line 21	\$ (282,190)	\$ (659,495)	\$ (91,275)	\$ (570,888)	\$ 139,615	\$ 177,994
23	Prior Year Balance and Adjustment(s)	2019-1-E	13,424,397					
24	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 22 + Line 23	\$ 13,142,207	\$ 12,482,712	\$ 12,391,437	\$ 11,820,549	\$ 11,960,164	\$ 12,138,158

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit 2
Page 2 of 3
DOCKET NO. 2020-1-E

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
25	Coal	Monthly Fuel Filings	\$ 45,241,655	\$ 27,094,337	\$ 23,487,806	\$ 24,934,911	\$ 9,425,950	\$ 6,672,047	\$ 334,387,351
26	Gas	Monthly Fuel Filings	38,523,285	37,750,390	49,933,396	44,563,596	44,460,591	42,899,235	478,579,332
27	Nuclear Fuel	Monthly Fuel Filings	14,667,915	13,313,207	13,785,144	15,989,373	16,002,169	14,783,927	176,409,986
28	Purchased Power	Monthly Fuel Filings	38,746,067	33,182,424	31,315,652	26,595,485	25,821,695	28,443,823	430,160,020
29	Fuel Expense Recovered Through Intersystem Sales	Monthly Fuel Filings	(17,201,242)	(12,727,484)	(12,617,608)	(15,060,502)	(9,349,191)	(10,752,281)	(121,086,781)
30	Total Fuel Costs	Sum Lines 25:19	\$ 119,977,680	\$ 98,612,874	\$ 105,904,390	\$ 97,022,863	\$ 86,361,214	\$ 82,046,751	\$ 1,298,449,908
31	Eliminate Avoided Fuel Benefit of SC NEM	Monthly Fuel Filings	72,751	89,706	69,751	67,411	92,417	73,637	931,855
32	Adjusted System Fuel Costs	Line 30 + Line 31	\$ 120,050,431	\$ 98,702,580	\$ 105,974,141	\$ 97,090,274	\$ 86,453,631	\$ 82,120,388	\$ 1,299,381,763
33	Total System kWh Sales (w/ solar)	Monthly Fuel Filings	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
34	Eliminate NEM Solar Generation kWh	Monthly Fuel Filings	2,265,688	2,793,713	2,172,246	2,099,381	2,878,147	2,293,273	29,038,292
35	Adjusted Projected System kWh Sales (w/o solar)	Line 33 + Line 34	5,774,193,926	4,934,077,082	4,403,504,356	5,099,224,347	5,127,477,671	4,870,625,980	61,796,421,134
36	System Cost per kWh (c/kWh)	Line 32 / Line 35 * 100	2.079	2.000	2.407	1.904	1.686	1.686	
37	Actual/ Projected SC Retail Sales kWh (w/ solar)	Monthly Fuel Filings	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
38	Eliminate the NEM impact kWh	Line 34	2,265,688	2,793,713	2,172,246	2,099,381	2,878,147	2,293,273	29,038,292
39	Adjusted Actual / Projected SC Retail Sales kWh (w/o solar)	Line 37 + Line 38	592,323,228	532,623,320	418,286,590	489,613,153	522,874,337	515,934,291	6,204,213,696
40	SC Base Fuel Costs	Line 36 * Line 39 / 100	\$ 12,314,907	\$ 10,654,736	\$ 10,066,429	\$ 9,322,334	\$ 8,816,106	\$ 8,698,825	\$ 130,140,470
41	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 31, opposite sign	(72,751)	(89,706)	(69,751)	(67,411)	(92,417)	(73,637)	(931,855)
42	Adjusted SC Base Fuel Costs	Line 40 + Line 41	\$ 12,242,156	\$ 10,565,030	\$ 9,996,678	\$ 9,254,923	\$ 8,723,689	\$ 8,625,188	\$ 129,208,615
43	Fuel Costs Collected	Monthly Fuel Filings	\$ 12,242,708	\$ 10,993,040	\$ 8,634,225	\$ 10,117,488	\$ 10,791,022	\$ 10,659,190	\$ 134,635,222
44	Fuel Benefits Given in DER NEM incentive	Monthly Fuel Filings	(12,302)	(16,027)	(11,645)	(9,594)	(16,427)	(11,617)	(187,973)
45	Adjusted Fuel Costs Collected	Line 43 + Line 44	\$ 12,230,406	\$ 10,977,013	\$ 8,622,580	\$ 10,107,894	\$ 10,774,595	\$ 10,647,573	\$ 134,447,249
46	Current Month (Over) / Under Recovered Balance	Line 42 - Line 45	\$ 11,749	\$ (411,982)	\$ 1,374,097	\$ (852,971)	\$ (2,050,906)	\$ (2,022,385)	\$ (5,238,637)
47	Adjustment(s)							(866)	13,423,531
48	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 46 + Line 47	\$ 12,149,907	\$ 11,737,925	\$ 13,112,022	\$ 12,259,051	\$ 10,208,145	\$ 8,184,894	\$ 8,184,894

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF BASE FUEL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 2
Page 3 of 3
DOCKET NO. 2020-1-E

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
49	Coal		\$ 14,082,349	\$ 11,638,677	\$ 15,638,746	\$ 31,361,594	\$ 407,108,717
50	Gas		34,926,808	29,738,933	32,215,819	37,353,842	612,814,734
51	Nuclear Fuel		12,822,108	15,738,510	16,095,564	15,384,040	236,450,208
52	Purchased Power		35,473,070	30,693,813	36,219,839	35,738,710	568,285,452
53	Fuel Expense Recovered Through Intersystem Sales		(6,953,613)	(15,211,252)	(15,620,768)	(13,721,947)	(172,594,361)
54	Total Fuel Costs	Sum Lines 49:53	\$ 90,350,722	\$ 72,598,681	\$ 84,549,200	\$ 106,116,239	\$ 1,652,064,750
55	Eliminate Avoided Fuel Benefit of SC NEM		94,744	112,627	116,139	121,530	1,376,895
56	Adjusted System Fuel Costs	Line 54 + Line 55	\$ 90,445,466	\$ 72,711,308	\$ 84,665,339	\$ 106,237,769	\$ 1,653,441,645
57	Total System kWh Sales (w/ solar)		4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
58	Eliminate NEM Solar Generation kWh		2,950,610	3,507,523	3,616,910	3,784,811	42,898,147
59	Adjusted Estimated System kWh Sales (w/o solar)	Line 57 + Line 58	4,875,832,037	4,357,719,347	4,480,974,082	5,149,073,107	80,660,019,708
60	System Cost per kWh (¢/kWh)	Line 56 / Line 59 * 100	1.855	1.669	1.889	2.063	2.050
61	Estimated SC Retail Sales kWh (w/ solar)		540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
62	Eliminate the NEM impact kWh		2,950,610	3,507,523	3,616,910	3,784,811	42,898,147
63	Adjusted Estimated SC Retail Sales kWh (w/o solar)	Line 61 + Line 62	543,645,349	505,471,273	498,280,076	536,145,857	8,287,756,251
64	SC Base Fuel Costs	Line 60 * Line 63 / 100	\$ 10,084,485	\$ 8,434,108	\$ 9,414,706	\$ 11,061,979	\$ 169,135,748
65	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 55, opposite sign	(94,744)	(112,627)	(116,139)	(121,530)	(1,376,895)
66	Adjusted SC Base Fuel Costs	Line 64 + Line 65	\$ 9,989,741	\$ 8,321,481	\$ 9,298,567	\$ 10,940,449	\$ 167,758,853
67	Fuel Costs Collected	Approved rates x Line 61	\$ 11,219,416	\$ 10,415,748	\$ 10,264,261	\$ 11,046,492	\$ 177,581,138
68	Fuel Benefits Given in DER NEM incentive		(7,743)	(9,189)	(9,498)	(9,841)	(224,244)
69	Adjusted Fuel Costs Collected	Line 67 + Line 68	\$ 11,211,673	\$ 10,406,558	\$ 10,254,763	\$ 11,036,651	\$ 177,356,894
70	Current Month (Over) / Under Recovered Balance	Line 66 - Line 69	\$ (1,221,932)	\$ (2,085,077)	\$ (956,196)	\$ (96,202)	\$ (9,598,044)
71	Adjustment(s)						13,423,531
72	Cumulative (Over) / Under Recovered Balance	Prior Mo Cum Bal + Line 70 + Line 71	\$ 6,962,962	\$ 4,877,885	\$ 3,921,689	\$ 3,825,487	\$ 3,825,487
73	SC Projected SC Retail Sales July 2020 - June 2021						6,664,664,630
74	SC Base Fuel Increment / (Decrement) Calculated Rate	Line 72 / Line 73 * 100					0.057

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD BASE FUEL COSTS
PROJECTED BILLING PERIOD COSTS AND REVENUES JULY 2020 - JUNE 2021

Exhibit 3
DOCKET NO. 2020-1-B

Line No.	Description	Reference	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
1	Coal		\$ 40,210,240	\$ 39,234,408	\$ 25,356,880	\$ 15,434,349	\$ 18,748,153	\$ 34,817,242
2	Gas		40,055,216	39,464,631	34,236,075	33,538,691	37,969,616	27,460,215
3	Nuclear Fuel		15,857,376	15,724,538	15,531,888	16,106,011	13,426,924	15,394,161
4	Purchased Power		36,521,094	35,885,525	31,312,796	25,042,081	27,109,106	29,149,234
5	Fuel Expense Recovered Through Intersystem Sales		(12,481,695)	(13,189,804)	(11,890,821)	(17,580,291)	(11,401,664)	(5,039,666)
6	Total Fuel Costs	Sum Lines 1:5	\$ 120,162,231	\$ 117,119,298	\$ 94,546,818	\$ 72,540,841	\$ 85,852,135	\$ 101,781,186
7	Eliminate Avoided Fuel Benefit of SC NEM		88,323	81,880	75,871	72,191	59,692	46,095
8	Adjusted System Fuel Costs	Line 6 + Line 7	\$ 120,250,554	\$ 117,201,178	\$ 94,622,689	\$ 72,613,032	\$ 85,911,827	\$ 101,827,281
9	Total Projected System Sales kWh (w/ solar)		6,054,431,409	6,137,773,942	5,427,848,319	4,598,186,850	4,480,516,888	5,031,197,311
10	Eliminate NEM Solar Generation kWh		3,904,499	3,619,677	3,354,034	3,191,363	2,638,837	2,037,727
11	Adjusted Projected System kWh Sales (w/o solar)	Line 9 + Line 10	6,058,335,908	6,141,393,619	5,431,202,353	4,601,378,213	4,483,155,725	5,033,235,038
12	System Cost per kWh (¢/kWh)	Line 8 / Line 11 * 100	1.985	1.908	1.742	1.578	1.916	2.023
13	Adjusted Projected SC Retail Sales (w/o solar)		634,400,572	656,319,956	597,922,222	531,886,988	496,464,066	537,358,253
14	SC Base Fuel Costs	Line 12 * Line 13 / 100	\$ 12,592,075	\$ 12,525,084	\$ 10,417,032	\$ 8,393,556	\$ 9,513,864	\$ 10,871,284
15	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 7, opposite sign	(88,323)	(81,880)	(75,871)	(72,191)	(59,692)	(46,095)
16	Adjusted SC Base Fuel Costs	Line 14 + Line 15	\$ 12,503,752	\$ 12,443,204	\$ 10,341,161	\$ 8,321,365	\$ 9,454,172	\$ 10,825,189

Line No.	Description	Reference	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	Billing Period Twelve Months Ended June 2021
17	Coal		\$ 42,548,753	\$ 40,459,919	\$ 21,736,139	\$ 1,684,187	\$ 1,719,516	\$ 10,570,258	\$ 292,520,044
18	Gas		22,626,305	18,828,656	27,738,919	30,295,956	31,954,166	37,967,458	382,135,904
19	Nuclear Fuel		16,744,624	14,581,067	13,570,039	14,513,631	13,439,465	15,379,908	180,269,632
20	Purchased Power		30,597,319	29,985,152	34,690,990	33,977,558	37,107,737	36,629,389	388,007,981
21	Fuel Expense Recovered Through Intersystem Sales		(5,874,806)	(4,733,377)	(6,749,563)	(9,793,296)	(5,479,549)	(9,438,759)	(113,653,291)
22	Total Fuel Costs	Sum Lines 17:21	\$ 106,642,195	\$ 99,121,417	\$ 90,986,524	\$ 70,678,036	\$ 78,741,335	\$ 91,108,254	\$ 1,129,280,270
23	Eliminate Avoided Fuel Benefit of SC NEM		59,372	59,315	81,533	96,589	97,792	100,481	919,132
24	Adjusted System Fuel Costs	Line 22 + Line 23	\$ 106,701,567	\$ 99,180,732	\$ 91,068,057	\$ 70,774,625	\$ 78,839,127	\$ 91,208,735	\$ 1,130,199,402
25	Total Projected System Sales kWh (w/ solar)		5,631,937,385	5,308,135,401	4,895,114,534	4,344,226,980	4,464,365,308	5,158,639,980	61,532,374,307
26	Eliminate NEM Solar Generation kWh		2,624,681	2,622,187	3,604,401	4,269,995	4,323,199	4,442,097	40,632,697
27	Adjusted Projected System kWh Sales (w/o solar)	Line 25 + Line 26	5,634,562,066	5,310,757,588	4,898,718,935	4,348,496,975	4,468,688,507	5,163,082,077	61,573,007,003
28	System Cost per kWh (¢/kWh)	Line 24 / Line 27 * 100	1.894	1.868	1.859	1.628	1.764	1.767	1.836
29	Adjusted Projected SC Retail Sales (w/o solar)		586,052,121	576,343,233	547,026,561	504,947,077	497,479,537	539,096,740	6,705,297,327
30	SC Base Fuel Costs	Line 28 * Line 29 / 100	\$ 11,098,055	\$ 10,763,463	\$ 10,169,321	\$ 8,218,343	\$ 8,776,815	\$ 9,523,446	\$ 122,862,339
31	Assign 100% of Avoided Fuel Benefit of SC NEM (Note 1)	Line 23, opposite sign	(59,372)	(59,315)	(81,533)	(96,589)	(97,792)	(100,481)	(919,132)
32	Adjusted SC Base Fuel Costs	Line 30 + Line 31	\$ 11,038,683	\$ 10,704,148	\$ 10,087,788	\$ 8,121,754	\$ 8,679,023	\$ 9,422,965	\$ 121,943,207
33	Projected SC Retail Sales	Exhibit 2 Page 3 Line 73							6,664,664,630
34	Adjusted SC System Cost per kWh (¢/kWh)	Line 32 / Line 33 * 100							1.830

Note1: Equals total NEM avoided fuel benefit less portion included in DERP NEM Incentive.

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Line No.		Residential							
1	Winter 2019 Firm Coincident Peak (CP) kW	52.93%							
2	Winter 2018 Firm Coincident Peak (CP) kW	60.91%							
Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019	
3	Total Reagents	Monthly Fuel Filing	\$ 1,306,098	\$ 746,668	\$ 1,445,996	\$ 1,449,280	\$ 2,201,648	\$ 1,943,714	
4	Emission Allowances	Monthly Fuel Filing	4,557	1,548	812	1,641	1,245	2,127	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(71,965)	(39,525)	(47,346)	(63,356)	(108,583)	(46,187)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 1,238,690	\$ 708,691	\$ 1,399,461	\$ 1,387,565	\$ 2,094,311	\$ 1,899,655	
7	Total System Sales kWh	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271	
8	Environmental System Costs Incurred ¢/kwh	Line 6 / Line 7 * 100	0.027	0.016	0.029	0.026	0.034	0.031	
9	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 113,201	\$ 82,442	\$ 135,228	\$ 131,223	\$ 201,295	\$ 189,291	
11	SC Residential Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 68,948	\$ 50,213	\$ 82,364	\$ 79,925	\$ 122,604	\$ 115,292	
12	SC Residential kWh Sales	Monthly Fuel Filing	150,838,802	135,293,463	132,158,652	178,608,854	197,182,984	210,823,939	
13	SC Residential Environmental Costs Incurred ¢/kwh	Line 11 / Line 12 * 100	0.046	0.037	0.062	0.045	0.062	0.055	
14	SC Residential Environmental Costs Billed ¢/kwh	2018-1-E, 2019-1-E	0.019	0.019	0.019	0.019	0.044	0.074	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ 40,490	\$ 24,694	\$ 57,448	\$ 46,245	\$ 35,423	\$ (41,088)	
16	Prior Year Balance and Adjustment(s)	2019-1-E	122,754						
17	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal+ Line 15 + Line 16	\$ 163,244	\$ 187,938	\$ 245,386	\$ 291,631	\$ 327,054	\$ 285,966	
Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
18	Total Reagents	Monthly Fuel Filing	\$ 2,134,372	\$ 1,059,783	\$ 1,211,484	\$ 2,033,482	\$ 414,878	\$ 265,965	\$ 16,213,370
19	Emission Allowances	Monthly Fuel Filing	2,165	2,470	1,298	976	1,090	325	20,254
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(239,389)	(144,966)	(88,200)	(185,305)	(43,169)	(37,009)	(1,115,000)
21	Net Environmental Costs	Sum Lines 18:20	\$ 1,897,148	\$ 917,287	\$ 1,124,582	\$ 1,849,153	\$ 372,799	\$ 229,281	\$ 15,118,624
22	Total System Sales kWh	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
23	Environmental System Costs Incurred ¢/kwh	Line 21 / Line 22 * 100	0.033	0.019	0.026	0.036	0.007	0.005	
24	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 193,943	\$ 98,556	\$ 106,321	\$ 176,862	\$ 37,828	\$ 24,191	\$ 1,490,381
26	SC Residential Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 118,126	\$ 60,028	\$ 64,758	\$ 107,722	\$ 23,040	\$ 14,734	\$ 907,754
27	SC Residential kWh Sales	Monthly Fuel Filing	195,229,242	153,408,871	130,095,526	189,027,955	187,799,610	183,399,692	2,043,867,590
28	SC Residential Environmental Costs Incurred ¢/kwh	Line 26 / Line 27 * 100	0.061	0.039	0.050	0.057	0.012	0.008	0.044
29	SC Residential Environmental Costs Billed ¢/kwh	2019-1-E	0.074	0.074	0.074	0.074	0.074	0.074	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ (27,209)	\$ (54,170)	\$ (32,108)	\$ (33,088)	\$ (116,838)	\$ (121,869)	\$ (222,070)
31	Adjustment(s)								122,754
32	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 30 + Line 31	\$ 258,757	\$ 204,587	\$ 172,479	\$ 139,391	\$ 22,553	\$ (99,316)	\$ (99,316)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 4
Page 2 of 6
DOCKET NO. 2020-1-E

Line No.		Residential						
1	Winter 2019 Firm Coincident Peak (CP) kW	52.93%						
2	Winter 2018 Firm Coincident Peak (CP) kW	60.91%						
Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020	
33	Total Reagents		\$ 643,748	\$ 467,633	\$ 651,839	\$ 1,503,729	\$ 19,480,319	
34	Emission Allowances		753	517	718	1,793	24,035	
35	Amounts Recovered in Off-System Sales		(5,408)	(1,122)	(1,483)	(3,366)	(1,126,379)	
36	Net Environmental Costs	Sum Lines 33:35	\$ 639,093	\$ 467,028	\$ 651,074	\$ 1,502,156	\$ 18,377,975	
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561	
38	Environmental System Costs Incurred c/kwh	Line 36 / Line 37 * 100	0.013	0.011	0.015	0.029		
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105	
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 70,914	\$ 53,840	\$ 71,931	\$ 155,422	\$ 1,842,488	
41	SC Residential Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 37,532	\$ 28,496	\$ 38,071	\$ 82,259	\$ 1,094,112	
42	Projected SC Residential kWh Sales		192,952,571	157,486,137	147,025,044	168,437,653	2,709,768,995	
43	SC Residential Environmental Costs Incurred c/kwh	Line 41 / Line 42 * 100	0.019	0.018	0.026	0.049		
44	SC Residential Environmental Costs Billed c/kwh	2019-1-E	0.074	0.074	0.074	0.074		
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (105,253)	\$ (88,044)	\$ (70,728)	\$ (42,385)	\$ (528,480)	
46	Adjustment(s)		(4,950)				117,804	
47	Cumulative SC Residential Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (209,519)	\$ (297,563)	\$ (368,291)	\$ (410,676)	(410,676)	
48	SC Projected SC Residential Sales July 2020 - June 2021							2,286,989,153
49	SC Residential Environmental Increment / (Decrement) Calculated Rate (c/kwh)	(Line 47 / Line 48 * 100)						(0.018)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit
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DOCKET NO. 2020-1-51

Line No.		General Service (non-demand)							
1	Winter 2019 Firm Coincident Peak (CP) kW	5.22%							
2	Winter 2018 Firm Coincident Peak (CP) kW	6.37%							
Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019	
3	Total Reagents	Monthly Fuel Filing	\$ 1,306,098	\$ 746,668	\$ 1,445,996	\$ 1,449,280	\$ 2,201,648	\$ 1,943,714	
4	Emission Allowances	Monthly Fuel Filing	4,557	1,548	812	1,641	1,245	2,127	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(71,965)	(39,525)	(47,346)	(63,356)	(108,583)	(46,187)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 1,238,690	\$ 708,691	\$ 1,399,461	\$ 1,387,565	\$ 2,094,311	\$ 1,899,655	
7	Total System Sales kWh	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.027	0.016	0.029	0.026	0.034	0.031	
9	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 113,201	\$ 82,442	\$ 135,228	\$ 131,223	\$ 201,295	\$ 189,291	
11	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 7,206	\$ 5,248	\$ 8,608	\$ 8,353	\$ 12,813	\$ 12,049	
12	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	18,802,778	18,470,644	20,665,697	27,634,750	28,954,737	31,239,904	
13	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 11 / Line 12 * 100	0.038	0.028	0.042	0.030	0.044	0.039	
14	SC General Service (non-demand) Environmental Costs Billed c/kwh	2018-1-E, 2019-1-E	0.008	0.008	0.008	0.008	0.030	0.057	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12/ 100	\$ 5,702	\$ 3,770	\$ 6,955	\$ 6,142	\$ 4,025	\$ (5,683)	
16	Prior Year Balance and Adjustment(s)	2019-1-E	3,131						
17	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ 8,833	\$ 12,603	\$ 19,558	\$ 25,700	\$ 29,725	\$ 24,042	

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
18	Total Reagents	Monthly Fuel Filing	\$ 2,134,372	\$ 1,059,783	\$ 1,211,484	\$ 2,033,482	\$ 414,878	\$ 265,965	\$ 16,213,370
19	Emission Allowances	Monthly Fuel Filing	2,165	2,470	1,298	976	1,090	325	20,254
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(239,389)	(144,966)	(88,200)	(185,305)	(43,169)	(37,009)	(1,115,000)
21	Net Environmental Costs	Sum Lines 18:20	\$ 1,897,148	\$ 917,287	\$ 1,124,582	\$ 1,849,153	\$ 372,799	\$ 229,281	\$ 15,118,624
22	Total System Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.033	0.019	0.026	0.036	0.007	0.005	
24	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 193,943	\$ 98,556	\$ 106,321	\$ 176,862	\$ 37,828	\$ 24,191	\$ 1,490,381
26	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 12,345	\$ 6,273	\$ 6,768	\$ 11,258	\$ 2,408	\$ 1,540	\$ 94,866
27	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	29,471,447	25,454,842	21,024,882	23,888,093	22,816,346	21,900,092	290,324,211
28	SC General Service (non-demand) Environmental Costs Incurred c/kwh	Line 26 / Line 27 * 100	0.042	0.025	0.032	0.047	0.011	0.007	0.031
29	SC General Service (non-demand) Environmental Costs Billed c/kwh	2019-1-E	0.057	0.057	0.057	0.057	0.057	0.057	
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ (4,454)	\$ (8,236)	\$ (5,216)	\$ (2,358)	\$ (10,597)	\$ (10,943)	\$ (20,893)
31	Adjustment(s)								3,131
32	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30+ Line 31	\$ 19,588	\$ 11,352	\$ 6,136	\$ 3,778	\$ (6,819)	\$ (17,762)	\$ (17,762)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 4
Page 4 of 6
DOCKET NO. 2020-1-E

Line No.		General Service (non-demand)						
1	Winter 2019 Firm Coincident Peak (CP) kW	5.22%						
2	Winter 2018 Firm Coincident Peak (CP) kW	6.37%						

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
33	Total Reagents		\$ 643,748	\$ 467,633	\$ 651,839	\$ 1,503,729	\$ 19,480,319
34	Emission Allowances		753	517	718	1,793	24,035
35	Amounts Recovered in Off-System Sales		(5,408)	(1,122)	(1,483)	(3,366)	(1,126,379)
36	Net Environmental Costs	Sum Lines 33:35	\$ 639,093	\$ 467,028	\$ 651,074	\$ 1,502,156	\$ 18,377,975
37	Projected Total System Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.013	0.011	0.015	0.029	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC Environmental Costs	Line 38 * Line 39/ 100	\$ 70,914	\$ 53,840	\$ 71,931	\$ 155,422	\$ 1,842,488
41	SC General Service (non-demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 3,702	\$ 2,811	\$ 3,756	\$ 8,115	\$ 113,252
42	Projected SC General Service (non-demand) kWh Sales		23,356,984	23,190,388	23,384,218	24,443,003	384,698,804
43	SC General Service (non-demand) Environmental Costs Incurred ¢/kwh	Line 41 / Line 42 * 100	0.016	0.012	0.016	0.033	
44	SC General Service (non-demand) Environmental Costs Billed ¢/kwh	2019-1-E	0.057	0.057	0.057	0.057	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (9,611)	\$ (10,408)	\$ (9,573)	\$ (5,818)	\$ (56,303)
46	Adjustment(s)		(709)				2,422
47	Cumulative SC General Service (non-demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (28,082)	\$ (38,490)	\$ (48,063)	\$ (53,881)	\$ (53,881)
48	SC Projected General Service (non-demand) kWh Sales July 2020 - June 2021						292,783,481
49	SC General Service (non-demand) Environmental Increment / (Decrement) Calculated Rate (¢/kwh)	(Line 47 / Line 48 * 100)					(0.018)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Line No.		General Service (demand)							
1	Winter 2019 Firm Coincident Peak (CP) kW	41.85%							
2	Winter 2018 Firm Coincident Peak (CP) kW	32.73%							
Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019	
3	Total Reagents	Monthly Fuel Filing	\$ 1,306,098	\$ 746,668	\$ 1,445,996	\$ 1,449,280	\$ 2,201,648	\$ 1,943,714	
4	Emission Allowances	Monthly Fuel Filing	4,557	1,548	812	1,641	1,245	2,127	
5	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(71,965)	(39,525)	(47,346)	(63,356)	(108,583)	(46,187)	
6	Net Environmental Costs	Sum Lines 3:5	\$ 1,238,690	\$ 708,691	\$ 1,399,461	\$ 1,387,565	\$ 2,094,311	\$ 1,899,655	
7	Total System Sales kWh	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271	
8	Environmental System Costs Incurred c/kwh	Line 6 / Line 7 * 100	0.027	0.016	0.029	0.026	0.034	0.031	
9	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414	
10	SC Environmental Costs	Line 8 * Line 9 / 100	\$ 113,201	\$ 82,442	\$ 135,228	\$ 131,223	\$ 201,295	\$ 189,291	
11	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 10 * Line 2	\$ 37,048	\$ 26,981	\$ 44,256	\$ 42,946	\$ 65,878	\$ 61,949	
12	SC General Service (demand) kW Sales	Monthly Fuel Filing	668,998	841,884	768,537	677,466	891,840	800,879	
13	SC General Service (demand) Environmental Costs Incurred c / kW	Line 11 / Line 12 * 100	6	3	6	6	7	8	
14	SC General Service (demand) Environmental Costs Billed c / kW	2018-1-E, 2019-1-E	1	1	1	1	4	8	
15	Current Month (Over) / Under Recovered Balance	(Line 13 - Line 14) * Line 12 / 100	\$ 30,593	\$ 20,448	\$ 37,822	\$ 36,420	\$ 30,616	\$ (5,646)	
16	Prior Year Balance and Adjustment(s)	2019-1-E	73,322						
17	Cumulative SC Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 15 + Line 16	\$ 103,915	\$ 124,363	\$ 162,185	\$ 198,605	\$ 229,221	\$ 223,575	
Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
18	Total Reagents	Monthly Fuel Filing	\$ 2,134,372	\$ 1,059,783	\$ 1,211,484	\$ 2,033,482	\$ 414,878	\$ 265,965	\$ 16,213,370
19	Emission Allowances	Monthly Fuel Filing	2,165	2,470	1,298	976	1,090	325	20,254
20	Amounts Recovered in Off-System Sales	Monthly Fuel Filing	(239,389)	(144,966)	(88,200)	(185,305)	(43,169)	(37,009)	(1,115,000)
21	Net Environmental Costs	Sum Lines 18:20	\$ 1,897,148	\$ 917,287	\$ 1,124,582	\$ 1,849,153	\$ 372,799	\$ 229,281	\$ 15,118,624
22	Total System Sales kWh	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
23	Environmental System Costs Incurred c/kwh	Line 21 / Line 22 * 100	0.033	0.019	0.026	0.036	0.007	0.005	
24	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
25	SC Environmental Costs	Line 23 * Line 24 / 100	\$ 193,943	\$ 98,556	\$ 106,321	\$ 176,862	\$ 37,828	\$ 24,191	\$ 1,490,381
26	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 25 * Line 2 (or Line 1)	\$ 63,472	\$ 32,254	\$ 34,796	\$ 57,882	\$ 12,380	\$ 7,917	\$ 487,758
27	SC General Service (demand) kW Sales	Monthly Fuel Filing	800,390	850,581	698,015	781,061	781,542	781,542	9,342,736
28	SC General Service (demand) Environmental Costs Incurred c / kW	Line 26 / Line 27 * 100	8	4	5	7	2	1	5
29	SC General Service (demand) Environmental Costs Billed c / kW	2019-1-E	9	9	8	9	9	9	9
30	Current Month (Over) / Under Recovered Balance	(Line 28 - Line 29) * Line 27 / 100	\$ (5,215)	\$ (41,329)	\$ (23,784)	\$ (8,787)	\$ (55,127)	\$ (58,983)	\$ (42,972)
31	Adjustment(s)								73,322
32	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 30 + Line 31	\$ 218,360	\$ 177,031	\$ 153,247	\$ 144,460	\$ 89,333	\$ 30,350	\$ 30,350

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF ENVIRONMENTAL (OVER) / UNDER RECOVERY-GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 4
Page 6 of 6
DOCKET NO. 2020-1-E

Line No.		General Service (demand)						
1	Winter 2019 Firm Coincident Peak (CP) kW	41.85%						
2	Winter 2018 Firm Coincident Peak (CP) kW	32.73%						

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
33	Total Reagents		\$ 643,748	\$ 467,633	\$ 651,839	\$ 1,503,729	\$ 19,480,319
34	Emission Allowances		753	517	718	1,793	24,035
35	Amounts Recovered in Off-System Sales		(5,408)	(1,122)	(1,483)	(3,366)	(1,126,379)
36	Net Environmental Costs	Sum Lines 33:35	\$ 639,093	\$ 467,028	\$ 651,074	\$ 1,502,156	\$ 18,377,975
37	Projected Total System Sales kWh	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	Environmental System Costs Incurred ¢/kwh	Line 36 / Line 37 * 100	0.013	0.011	0.015	0.029	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC Environmental Costs	Line 38 * Line 39 / 100	\$ 70,914	\$ 53,840	\$ 71,931	\$ 155,422	\$ 1,842,488
41	SC General Service (demand) Environmental Cost Allocated by Firm CP	Line 40 * Line 1	\$ 29,679	\$ 22,533	\$ 30,105	\$ 65,048	\$ 635,124
42	Projected SC General Service (demand) kW Sales		837,041	669,517	827,625	912,779	12,589,698
43	SC General Service (demand) Environmental Costs Incurred ¢ / kW	Line 41 / Line 42 * 100	4	3	4	7	
44	SC General Service (demand) Environmental Costs Billed ¢ / kW	2019-1-E	10	10	10	10	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ (54,026)	\$ (44,418)	\$ (52,657)	\$ (26,230)	\$ (220,303)
46	Adjustment(s)		5,659				\$ 78,981
47	Cumulative SC General Service (demand) Environmental Costs (Over) / Under Recovered Balance	Prior Month Cum. Bal + Line 45 + Line 46	\$ (18,017)	\$ (62,435)	\$ (115,093)	\$ (141,322)	(141,322)
48	SC Projected General Service (demand) kW Sales July 2020 - June 2021						10,079,026
49	SC General Service (demand) Environmental Increment / (Decrement) Calculated Rate (¢/kw)	(Line 47 / Line 48 * 100)					(1)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED BILLING PERIOD ENVIRONMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND REVENUES JULY 2020 - JUNE 2021

Exhibit 5
DOCKET NO. 2020-1-E

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Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%
2	General Service (non-demand)	60,868	5.22%
3	General Service (demand)	487,930	41.85%
4	Lighting	0	0.00%
5	Total SC	1,165,830	100.00%

Line No.	Description	Reference	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
6	Total Reagents		\$ 2,051,792	\$ 2,005,140	\$ 1,195,151	\$ 550,382	\$ 784,766	\$ 1,778,112
7	Emission Allowances		2,451	2,382	1,430	697	893	2,100
8	Estimated Amounts Recovered in Off-system Sales		(6,853)	(5,475)	(1,061)	(969)	(2,063)	(5,477)
9	Net Environmental Costs	Sum Lines 6:8	\$ 2,047,390	\$ 2,002,047	\$ 1,195,520	\$ 550,110	\$ 783,596	\$ 1,774,735
10	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	6,054,431,409	6,137,773,942	5,427,848,319	4,598,186,850	4,480,516,888	5,031,197,311
11	Environmental System Costs Incurred c/kWh	Line 9 / Line 10 * 100	0.034	0.033	0.022	0.012	0.017	0.035
12	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,496,073	652,700,279	594,568,188	528,695,625	493,825,229	535,320,525
13	SC Environmental Costs	Line 11 * Line 12 / 100	213,211	212,901	130,958	63,251	86,365	188,832

Line No.	Description	Reference	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	Billing Period Twelve Months Ended June 2021
14	Total Reagents		\$ 2,543,523	\$ 2,592,182	\$ 1,296,245	\$ 105,283	\$ 97,715	\$ 655,942	\$ 15,656,233
15	Emission Allowances		3,066	2,830	1,405	118	109	728	18,209
16	Estimated Amounts Recovered in Off-system Sales		(59,240)	(15,125)	(6,270)	(370)	(1,966)	(5,029)	(109,898)
17	Net Environmental Costs	Sum Lines 14:16	\$ 2,487,349	\$ 2,579,887	\$ 1,291,380	\$ 105,031	\$ 95,858	\$ 651,641	\$ 15,564,544
18	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,631,937,385	5,308,135,401	4,895,114,534	4,344,226,980	4,464,365,308	5,158,639,980	61,532,374,307
19	Environmental System Costs Incurred c/kWh	Line 17 / Line 18 *100	0.044	0.049	0.026	0.002	0.002	0.013	
20	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	583,427,440	573,721,046	543,422,160	500,677,082	493,156,337	534,654,644	6,664,664,630
21	SC Environmental Costs	Line 19 * Line 20 / 100	257,671	278,843	143,360	12,105	10,589	67,538	1,665,623
SC Environmental Costs Allocated on Firm CP kW's									
22	Residential	Total Line 21 * Line 1							\$ 881,555
23	General Service (Non-demand)	Total Line 21 * Line 2							86,962
24	General Service (Demand)	Total Line 21 * Line 3							697,107
25	Lighting	Total Line 21 * Line 4							-
26	Total SC	Sum Lines 22:25							\$ 1,665,623

Projected SC Retail Sales kWh (July 2020 - June 2021)									
27	Residential	Exhibit 4 Page 2 Line 48							2,286,989,153
28	General Service (non-demand)	Exhibit 4 Page 4 Line 48							292,783,481
29	General Service (demand)								3,989,808,144
30	Lighting								95,083,852
31	Total SC	Sum Lines 27:30							6,664,664,630
Projected Average Environmental Fuel Cost c/kWh									
32	Residential	Line 22 / Line 27 * 100							0.039
33	General Service (non-demand)	Line 23 / Line 28 * 100							0.030
34	Lighting	Line 25 / Line 30 * 101							0.000

Projected Average Environmental Fuel Cost c/kW									
SC Projected General Service (demand) kW Sales July									
35	2020 - June 2021	Exhibit 4 Page 6 Line 48							10,079,026
36	General Service (demand) (c/kW)	Line 24 / Line 35 * 100							

Exhibit 6
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**DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
REVENUE ADJUSTMENT FACTOR FOR RECD
FOR THE 12 MONTHS ENDED FEBRUARY 29, 2020**

Residential Adjustment Factor

1	Billed kWh (12ME 2/29/20)	Per Books	2,061,227,218	
2	Billed RECD kWh (12ME 2/29/20)	Per Books	<u>295,935,197</u>	(a)
3	RECD kWh Percent of Total Billed	Line 2 / Line 1	14.3572%	
4	RECD Discount	RECD Discount	<u>5.0000%</u>	(b)
5	RECD Impact (Weighted Discount)	Line 3 X Line 4	0.7179%	

Notes:

(a) Energy billed and discounted pursuant to Residential Energy Conservation Discount, Rider RECD-2C.

(b) Five-percent discount provided under Residential Energy Conservation Discount, Rider RECD-2C.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit
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Line No.		Residential							
1	Winter 2019 Firm Coincident Peak (CP) kWh	52.93%							
2	Winter 2018 Firm Coincident Peak (CP) kWh	60.91%							
Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,340,213	\$ 6,107,055	\$ 7,371,268	\$ 8,143,896	\$ 13,235,011	\$ 13,417,470	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,128,452	11,498,729	9,930,592	11,084,777	13,135,470	21,206,084	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,468,665	\$ 17,605,784	\$ 17,301,860	\$ 19,228,673	\$ 26,370,481	\$ 34,623,554	
6	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271	
7	Capacity Related System Costs Incurred (¢/kWh)	Line 5 / Line 6 * 100	0.340	0.400	0.355	0.360	0.422	0.562	
8	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,413,651	\$ 2,048,074	\$ 1,671,856	\$ 1,818,473	\$ 2,534,602	\$ 3,450,058	
10	SC Residential Capacity Related Costs Allocated by Firm CP	Line 9 * Line 2	\$ 861,020	\$ 1,247,431	\$ 1,018,286	\$ 1,107,587	\$ 1,543,763	\$ 2,101,345	
11	SC Residential kWh Sales	Monthly Fuel Filing	150,838,802	135,293,463	132,158,652	178,608,854	197,182,984	210,823,939	
12	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 10 / Line 11 * 100	0.571	0.922	0.771	0.620	0.783	0.997	
13	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2018-1-E, 2019-1-E	0.676	0.676	0.676	0.676	0.683	0.692	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ (158,950)	\$ 332,773	\$ 125,236	\$ (99,572)	\$ 196,610	\$ 642,873	
15	Prior Year Balance and Adjustment(s)	2019-1-E	361,761						
16	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 202,811	\$ 535,584	\$ 660,820	\$ 561,248	\$ 757,858	\$ 1,400,731	

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 10,180,239	\$ 4,980,037	\$ 4,590,651	\$ 3,749,303	\$ 4,804,320	\$ 4,957,093	\$ 85,876,591
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,757,184	13,757,197	14,183,670	13,304,538	13,135,135	12,793,886	157,915,711
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,937,423	\$ 18,737,234	\$ 18,774,321	\$ 17,053,841	\$ 17,939,455	\$ 17,750,979	\$ 243,792,270
20	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,841
21	Capacity Related System Costs Incurred (¢/kWh)	Line 19 / Line 20 * 100	0.397	0.380	0.427	0.335	0.350	0.365	
22	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,401
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,344,866	\$ 2,013,176	\$ 1,774,977	\$ 1,631,112	\$ 1,820,327	\$ 1,872,845	\$ 24,394,011
24	SC Residential Capacity Related Costs Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 1,428,200	\$ 1,226,176	\$ 1,081,095	993,470	1,108,716	\$ 1,140,703	\$ 14,857,793
25	SC Residential kWh Sales	Monthly Fuel Filing	195,229,242	153,408,871	130,095,526	189,027,955	187,799,610	183,399,692	2,043,867,591
26	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 24 / Line 25 * 100	0.732	0.799	0.831	0.526	0.590	0.622	
27	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2019-1-E	0.692	0.692	0.692	0.692	0.692	0.692	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 77,548	\$ 164,898	\$ 180,886	\$ (315,125)	\$ (191,220)	\$ (128,799)	\$ 827,158
29	Adjustment(s)								361,761
30	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 1,478,279	\$ 1,643,177	\$ 1,824,063	\$ 1,508,938	\$ 1,317,718	\$ 1,188,919	\$ 1,188,919

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 7
Page 2 of 6
DOCKET NO. 2020-1-E

Line No.		Residential					
1	Winter 2019 Firm Coincident Peak (CP) kW	52.93%					
2	Winter 2018 Firm Coincident Peak (CP) kW	60.91%					

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
31	PURPA Purchased Power Capacity Costs		\$ 6,436,044	\$ 6,669,638	\$ 7,123,718	\$ 6,834,389	\$ 112,940,345
32	Firm Natural Gas Transportation and Storage Costs		11,291,057	11,283,918	11,103,739	11,366,005	202,960,433
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 17,727,101	\$ 17,953,556	\$ 18,227,457	\$ 18,200,394	\$ 315,900,778
34	Projected Total System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.364	0.412	0.407	0.354	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,966,998	\$ 2,069,728	\$ 2,013,789	\$ 1,883,117	\$ 32,327,649
38	SC Residential Capacity Related Costs Allocated by Firm CP	Line 37 * Line 1	\$ 1,041,062	\$ 1,095,433	\$ 1,065,826	\$ 996,666	\$ 19,056,779
39	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	192,952,571	157,486,137	147,025,044	168,437,653	2,709,768,995
40	SC Residential Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.540	0.696	0.725	0.592	
41	SC Residential Non-Fuel Base Rates Billed (¢/kWh)	2019-1-E	0.692	0.692	0.692	0.692	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ (294,169)	\$ 5,629	\$ 48,413	\$ (168,922)	\$ 418,109
43	Adjustment(s)		(294,756)				67,005
44	Cumulative SC Residential Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 599,994	\$ 605,623	\$ 654,036	\$ 485,114	\$ 485,114
45	SC Projected SC Residential Sales July 2020 - June 2021	Exhibit 4 Page 2 Line 48					2,286,989,153
46	SC Projected Residential Capacity Related Increment / (Decrement)						
	Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					0.021

DUKE ENERGY PROGRESS, LLC
 SOUTH CAROLINA RETAIL FUEL CASE
 CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
 ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Line No.		General Service (non-demand)							
1	Winter 2019 Firm Coincident Peak (CP) kWh	5.22%							
2	Winter 2018 Firm Coincident Peak (CP) kWh	6.37%							

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,340,213	\$ 6,107,055	\$ 7,371,268	\$ 8,143,896	\$ 13,235,011	\$ 13,417,470
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,128,452	11,498,729	9,930,592	11,084,777	13,135,470	21,206,084
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,468,665	\$ 17,605,784	\$ 17,301,860	\$ 19,228,673	\$ 26,370,481	\$ 34,623,554
6	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
7	Capacity Related System Costs Incurred (c/kWh)	Line 5 / Line 6 * 100	0.340	0.400	0.355	0.360	0.422	0.562
8	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,413,651	\$ 2,048,074	\$ 1,671,856	\$ 1,818,473	\$ 2,534,602	\$ 3,450,058
10	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 89,985	\$ 130,368	\$ 106,420	\$ 115,753	\$ 161,338	\$ 219,610
11	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	18,802,778	18,470,644	20,665,697	27,634,750	28,954,737	31,239,904
12	SC General Service (non-demand) Capacity Related Cost Incurred (c/kWh)	Line 10 / Line 11 * 100	0.479	0.706	0.515	0.419	0.557	0.703
13	SC General Service (non-demand) Non-Fuel Base Rates Billed (c/kWh)	2018-1-E, 2019-1-E	0.426	0.426	0.426	0.426	0.470	0.522
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ 9,885	\$ 51,683	\$ 18,384	\$ (1,971)	\$ 25,312	\$ 56,685
15	Prior Year Balance and Adjustment(s)	2019-1-E	(110,045)					
16	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ (100,160)	\$ (48,477)	\$ (30,093)	\$ (32,064)	\$ (6,752)	\$ 49,933

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 10,180,239	\$ 4,980,037	\$ 4,590,651	\$ 3,749,303	\$ 4,804,320	\$ 4,957,093	\$ 85,876,557
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,757,184	13,757,197	14,183,670	13,304,538	13,135,135	12,793,886	157,915,712
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,937,423	\$ 18,737,234	\$ 18,774,321	\$ 17,053,841	\$ 17,939,455	\$ 17,750,979	\$ 243,792,270
20	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,847
21	Capacity Related System Costs Incurred (c/kWh)	Line 19 / Line 20 * 100	0.397	0.380	0.427	0.335	0.350	0.365	
22	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,400
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,344,866	\$ 2,013,176	\$ 1,774,977	\$ 1,631,112	\$ 1,820,327	\$ 1,872,845	\$ 24,394,016
24	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 149,260	\$ 128,147	\$ 112,984	\$ 103,827	\$ 115,871	\$ 119,214	\$ 1,552,772
25	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	29,471,447	25,454,842	21,024,882	23,888,093	22,816,346	21,900,092	290,324,212
26	SC General Service (non-demand) Capacity Related Cost Incurred (c/kWh)	Line 24 / Line 25 * 100	0.506	0.503	0.537	0.435	0.508	0.544	0.535
27	SC General Service (non-demand) Non-Fuel Base Rates Billed (c/kWh)	2019-1-E	0.522	0.522	0.522	0.522	0.522	0.522	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ (4,581)	\$ (4,727)	\$ 3,234	\$ (20,869)	\$ (3,230)	\$ 4,896	\$ 134,701
29	Adjustment(s)								(110,045)
30	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 45,352	\$ 40,625	\$ 43,859	\$ 22,990	\$ 19,760	\$ 24,656	\$ 24,656

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 7
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Line No.		General Service (non-demand)						
1	Winter 2019 Firm Coincident Peak (CP) kW	5.22%						
2	Winter 2018 Firm Coincident Peak (CP) kW	6.37%						

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
31	PURPA Purchased Power Capacity Costs		\$ 6,436,044	\$ 6,669,638	\$ 7,123,718	\$ 6,834,389	\$ 112,940,345
32	Firm Natural Gas Transportation and Storage Costs		11,291,057	11,283,918	11,103,739	11,366,005	202,960,433
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 17,727,101	\$ 17,953,556	\$ 18,227,457	\$ 18,200,394	\$ 315,900,778
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.364	0.412	0.407	0.354	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,966,998	\$ 2,069,728	\$ 2,013,789	\$ 1,883,117	\$ 32,327,649
38	SC General Service (non-demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 102,696	\$ 108,060	\$ 105,139	\$ 98,317	\$ 1,966,990
39	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	23,356,984	23,190,388	23,384,218	24,443,003	384,698,804
40	SC General Service (non-demand) Capacity Related Cost Incurred (¢/kWh)	Line 38 / Line 39 * 100	0.440	0.466	0.450	0.402	
41	SC General Service (non-demand) Non-Fuel Base Rates Billed (¢/kWh)	2019-1-E	0.522	0.522	0.522	0.522	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ (19,228)	\$ (12,994)	\$ (16,926)	\$ (29,276)	\$ 56,277
43	Adjustment(s)		(42,265)				(152,310)
44	Cumulative SC General Service (non-demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ (36,837)	\$ (49,831)	\$ (66,757)	\$ (96,033)	(96,033)
45	SC Projected General Service (non-demand) kWh Sales July 2020 - June 2021	Exhibit 4 Page 4 Line 48					292,783,481
46	SC Projected General Service (non-demand) Capacity Related Increment / (Decrement) Calculated Rate (¢/kWh)	(Line 44 / Line 45 * 100)					(0.033)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit
Page 5 of 6
DOCKET NO. 2020-1-E

Line No.		General Service (demand)							
1	Winter 2019 Firm Coincident Peak (CP) kW's	41.85%							
2	Winter 2018 Firm Coincident Peak (CP) kW's	32.73%							
Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019	
3	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 4,340,213	\$ 6,107,055	\$ 7,371,268	\$ 8,143,896	\$ 13,235,011	\$ 13,417,470	
4	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	11,128,452	11,498,729	9,930,592	11,084,777	13,135,470	21,206,084	
5	Total Capacity Related Costs	Lines 3 + Line 4	\$ 15,468,665	\$ 17,605,784	\$ 17,301,860	\$ 19,228,673	\$ 26,370,481	\$ 34,623,554	
6	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271	
7	Capacity Related System Costs Incurred (c/kWh)	Line 5 / Line 6 * 100	0.340	0.400	0.355	0.360	0.422	0.562	
8	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414	
9	SC Capacity Related Costs Incurred	Line 7 * Line 8 / 100	\$ 1,413,651.31	\$ 2,048,074	\$ 1,671,856	\$ 1,818,473	\$ 2,534,602	\$ 3,450,058	
10	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 9 * Line 2	\$ 462,647	\$ 670,274	\$ 547,149	\$ 595,133	\$ 829,501	\$ 1,129,103	
11	SC General Service (demand) kW Sales	Monthly Fuel Filing	668,998	841,884	768,537	677,466	891,840	800,879	
12	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 10 / Line 11 * 100	69	80	71	88	93	141	
13	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2018-1-E, 2019-1-E	85	68	74	85	71	78	
14	Current Month (Over) / Under Recovered Balance	(Line 12 - Line 13)*Line 11 /100	\$ (105,411)	\$ 95,330	\$ (19,034)	\$ 20,848	\$ 193,762	\$ 506,402	
15	Prior Year Balance and Adjustment(s)	2019-1-E	323,213						
16	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 14 + Line 15	\$ 217,802	\$ 313,132	\$ 294,098	\$ 314,946	\$ 508,708	\$ 1,015,110	

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
17	PURPA Purchased Power Capacity Costs	Monthly Fuel Filing	\$ 10,180,239	\$ 4,980,037	\$ 4,590,651	\$ 3,749,303	\$ 4,804,320	\$ 4,957,093	\$ 85,876,556
18	Firm Natural Gas Transportation and Storage Costs	Monthly Fuel Filing	12,757,184	13,757,197	14,183,670	13,304,538	13,135,135	12,793,886	157,915,714
19	Total Capacity Related Costs	Line 17 + Line 18	\$ 22,937,423	\$ 18,737,234	\$ 18,774,321	\$ 17,053,841	\$ 17,939,455	\$ 17,750,979	\$ 243,792,270
20	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
21	Capacity Related System Costs Incurred (c/kWh)	Line 19 / Line 20 * 100	0.397	0.380	0.427	0.335	0.350	0.365	
22	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,402
23	SC Capacity Related Costs Incurred	Line 21 * Line 22 / 100	\$ 2,344,866	\$ 2,013,176	\$ 1,774,977	\$ 1,631,112	\$ 1,820,327	\$ 1,872,845	\$ 24,394,017
24	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 23 * Line 2 or (Line 1)	\$ 767,406	\$ 658,853	\$ 580,898	\$ 533,815	\$ 595,740	\$ 612,927	\$ 7,983,447
25	SC General Service (demand) kW Sales	Monthly Fuel Filing	800,390	850,581	698,015	781,061	781,542	781,542	9,342,736
26	SC General Service (demand) Capacity Related Costs Incurred (c/kW)	Line 24 / Line 25 * 100	96	77	83	68	76	78	
27	SC General Service (demand) Non-Fuel Base Rates Billed (c/kW)	2019-1-E	79	80	77	79	79	79	
28	Current Month (Over) / Under Recovered Balance	(Line 26 - Line 27)*Line 25 /100	\$ 135,535	\$ (18,144)	\$ 42,094	\$ (79,585)	\$ (25,455)	\$ (2,554)	\$ 743,788
29	Adjustment(s)								323,213
30	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 28 + Line 29	\$ 1,150,645	\$ 1,132,501	\$ 1,174,595	\$ 1,095,010	\$ 1,069,555	\$ 1,067,001	\$ 1,067,001

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF CAPACITY RELATED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Line No.		General Service (demand)						
1	Winter 2019 Firm Coincident Peak (CP) kW	41.85%						
2	Winter 2018 Firm Coincident Peak (CP) kW	32.73%						

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
31	PURPA Purchased Power Capacity Costs		\$ 6,436,044	\$ 6,669,638	\$ 7,123,718	\$ 6,834,389	\$ 112,940,345
32	Firm Natural Gas Transportation and Storage Costs		11,291,057	11,283,918	11,103,739	11,366,005	202,960,433
33	Total Capacity Related Costs	Line 31 + Line 32	\$ 17,727,101	\$ 17,953,556	\$ 18,227,457	\$ 18,200,394	\$ 315,900,778
34	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
35	Capacity Related System Costs Incurred (¢/kWh)	Line 33 / Line 34 * 100	0.364	0.412	0.407	0.354	
36	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
37	SC Capacity Related Costs Incurred	Line 35 * Line 36 / 100	\$ 1,966,998	\$ 2,069,728	\$ 2,013,789	\$ 1,883,117	\$ 32,327,649
38	SC General Service (demand) Capacity Related Cost Allocated by Firm CP	Line 37 * Line 1	\$ 823,241	\$ 866,236	\$ 842,824	\$ 788,134	\$ 11,303,881
39	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	837,041	669,517	827,625	912,779	12,589,698
40	SC General Service (demand) Capacity Related Costs Incurred (¢/kW)	Line 38 / Line 39 * 100	98	129	102	86	
41	SC General Service (demand) Non-Fuel Base Rates Billed (¢/kW)	2019-1-E	92	92	92	92	
42	Current Month (Over) / Under Recovered Balance	(Line 40 - Line 41)*Line 39 /100	\$ 53,163	\$ 250,280	\$ 81,408	\$ (51,623)	\$ 1,077,016
43	Adjustment(s)		337,021				660,234
44	Cumulative SC General Service (demand) Capacity Related (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 42 + Line 43	\$ 1,457,185	\$ 1,707,465	\$ 1,788,873	\$ 1,737,250	\$ 1,737,250
45	SC Projected General Service (demand) kW Sales July 2020 - June 2021	Exhibit 4 Page 6 Line 48					10,079,026
46	SC General Service (demand) Environmental Capacity Related Increment / (Decrement) Calculated Rate (¢/kW)	(Line 44 / Line 45 * 100)					

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED CAPACITY RELATED COSTS
PROJECTED BILLING PERIOD COSTS AND REVENUES JULY 2020 - JUNE 2021

Exhibit 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%
2	General Service (non-demand)	60,868	5.22%
3	General Service (demand)	487,930	41.85%
4	Lighting	0	0.00%
5	Total SC	1,165,830	100.00%

Line No.	Description	Reference	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
6	PURPA Purchased Power Capacity Costs		\$ 6,823,287	\$ 6,834,713	\$ 6,109,901	\$ 5,769,466	\$ 5,298,074	\$ 4,874,827
7	Firm Natural Gas Transportation and Storage Costs		11,631,873	11,658,779	11,372,717	11,715,848	11,583,858	10,587,859
8	Total Capacity Related Costs	Line 6 + Line 7	\$ 18,455,160	\$ 18,493,492	\$ 17,482,618	\$ 17,485,314	\$ 16,881,932	\$ 15,462,686
9	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 9	6,054,431,409	6,137,773,942	5,427,848,319	4,598,186,850	4,480,516,888	5,031,197,311
10	Capacity Related System Costs Incurred (¢/Kwh)	Line 8 / Line 9 *100	0.305	0.301	0.322	0.380	0.377	0.307
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,496,073	652,700,279	594,568,188	528,695,625	493,825,229	535,320,525
12	SC Purchased Power Capacity Costs	Line 10 * Line 11 /100	\$ 1,921,883	\$ 1,966,626	\$ 1,915,051	\$ 2,010,447	\$ 1,860,661	\$ 1,645,233

Line No.	Description	Reference	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	Billing Period Twelve Months Ended June 2021
13	PURPA Purchased Power Capacity Costs		\$ 5,047,699	\$ 4,987,827	\$ 6,628,797	\$ 5,889,319	\$ 6,324,744	\$ 6,242,934	\$ 70,831,588
14	Firm Natural Gas Transportation and Storage Costs		10,386,489	9,989,168	10,898,168	10,146,988	10,622,010	10,386,153	130,979,910
15	Total Capacity Related Costs	Line 13 + Line 14	\$ 15,434,188	\$ 14,976,995	\$ 17,526,965	\$ 16,036,307	\$ 16,946,754	\$ 16,629,087	\$ 201,811,498
16	Total Projected System Sales kWh (w/ solar)	Exhibit 3 Line 25	5,631,937,385	5,308,135,401	4,895,114,534	4,344,226,980	4,464,365,308	5,158,639,980	61,532,374,307
17	Capacity Related System Costs Incurred (¢/Kwh)	Line 15 / Line 16 *100	0.274	0.282	0.358	0.369	0.380	0.322	
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	583,427,440	573,721,046	543,422,160	500,677,082	493,156,337	534,654,644	6,664,664,630
19	SC Purchased Power Capacity Costs	Line 17 * Line 18 /100	\$ 1,598,869	\$ 1,618,764	\$ 1,945,724	\$ 1,848,203	\$ 1,872,024	\$ 1,723,481	\$ 21,926,965

SC Capacity Related Costs Allocated on Firm CP kW's

20	Residential	Total Line 19 * Line 1							\$ 11,605,154
21	General Service (non-demand)	Total Line 19 * Line 2							1,144,799
22	General Service (demand)	Total Line 19 * Line 3							9,177,012
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23							\$ 21,926,965

Projected SC Retail Sales kWh (July 2020 - June 2021)

25	Residential	Exhibit 4 Page 2 Line 48							2,286,989,153
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							292,783,481
27	General Service (demand)	Exhibit 5 Line 29							3,989,808,144
28	Lighting	Exhibit 5 Line 30							95,083,852
29	Total SC	Sum Lines 25:28							6,664,664,630

SC Capacity Related Costs ¢/kWh

30	Residential	Line 20 / Line 25 * 100							0.507
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.391
32	Lighting	Line 23 / Line 28 * 100							0.000

33	Projected SC KW Sales (General Service demand)	Exhibit 4 Page 6 Line 48							10,079,026
34	General Service Demand charge for Capacity Related Costs ¢/kW	Line 22 / Line 33 * 100							91

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
DERP Incremental Costs								
1	Purchased Power Agreements	Monthly Fuel Filing	\$ 2,576	\$ 901	\$ 1,904	\$ 3,159	\$ 18,160	\$ 3,885
2	DER NEM Incentive	Monthly Fuel Filing	81,081	75,075	96,296	78,362	96,993	86,783
3	Solar Rebate Program - Amortization	Monthly Fuel Filing	77,317	(177,456)	43,523	43,523	48,729	45,343
4	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	71,417	72,521	73,609	40,321	42,605	43,222
5	Shared Solar Program	Monthly Fuel Filing	315	1,338	1,885	3,593	6,052	2,294
6	NEM Avoided Capacity Costs	Monthly Fuel Filing	2,909	2,220	3,280	2,212	3,431	2,844
7	NEM Meter Costs	Monthly Fuel Filing	8,455	8,455	9,344	8,708	9,398	9,330
8	General and Administrative Expenses	Monthly Fuel Filing	22,856	13,017	12,900	19,784	19,293	23,571
9	Interest on under-collection due to cap	Monthly Fuel Filing	37	-	24	9	80	11
10	Total DER Incremental Costs	Sum Lines 1:9	\$ 266,963	\$ (3,929)	\$ 242,765	\$ 199,671	\$ 244,741	\$ 217,283
11	Revenue Collected	Monthly Fuel Filing	165,840	165,452	167,608	163,843	197,984	230,355
12	Current Month (Over) / Under Recovered Balance	Line 10 - Line 11	\$ 101,123	\$ (169,381)	\$ 75,157	\$ 35,828	\$ 46,757	\$ (13,072)
13	Prior Year Balance and Adjustment(s)	2019-1-E	6,238					
14	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance + Line 12 + Line 13	\$ 107,362	\$ (62,020)	\$ 13,138	\$ 48,966	\$ 95,723	\$ 82,652

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
DERP Incremental Costs									
15	Purchased Power Agreements	Monthly Fuel Filing	\$ 20,722	\$ (2,984)	\$ 2,908	\$ 344	\$ 201	\$ 3,056	\$ 54,831
16	DER NEM Incentive	Monthly Fuel Filing	84,816	99,386	81,047	89,164	102,127	90,634	1,061,763
17	Solar Rebate Program - Amortization	Monthly Fuel Filing	45,601	46,382	46,382	46,553	46,900	47,121	359,918
18	Solar Rebate Program - Carrying Costs	Monthly Fuel Filing	36,460	40,516	40,645	40,478	40,479	40,501	582,774
19	Shared Solar Program	Monthly Fuel Filing	7,638	3,544	3,329	1,008	(475)	433	30,956
20	NEM Avoided Capacity Costs	Monthly Fuel Filing	2,629	3,241	2,521	2,439	3,339	2,662	33,729
21	NEM Meter Costs	Monthly Fuel Filing	9,325	9,996	9,189	9,903	10,195	9,869	112,167
22	General and Administrative Expenses	Monthly Fuel Filing	25,751	29,474	23,020	34,408	23,755	24,609	272,437
23	Interest on under-collection due to cap	Monthly Fuel Filing	20	10	16	14	13	11	245
24	Total DER Incremental Costs	Sum Lines 15:23	\$ 232,962	\$ 229,565	\$ 209,056	\$ 224,309	\$ 226,534	\$ 218,897	\$ 2,508,819
25	Revenue Collected	Monthly Fuel Filing	229,909	241,784	216,571	230,240	231,001	229,449	2,470,036
26	Current Month (Over) / Under Recovered Balance	Line 24 - Line 25	\$ 3,052	\$ (12,219)	\$ (7,515)	\$ (5,931)	\$ (4,467)	\$ (10,552)	\$ 38,782
27	Adjustments								6,238
28	Cumulative SC DERP Incremental Costs (Over) / Under Recovered Balance	Prior Month Cumulative Balance +Line 26 + Line 27	\$ 85,703	\$ 73,485	\$ 65,970	\$ 60,039	\$ 55,572	\$ 45,020	\$ 45,020

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL (OVER) / UNDER RECOVERY
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 9
Page 2 of 2
DOCKET NO. 2020-1-E

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
<u>DERP Incremental Costs</u>							
29	Purchased Power Agreements	DERP Model Output	\$ 3,699	\$ 3,699	\$ 3,699	\$ 3,699	\$ 69,628
30	DER NEM Incentive	DERP Model Output	151,954	152,452	154,970	158,717	1,679,857
31	Solar Rebate Program - Amortization	DERP Model Output	47,121	47,121	47,121	47,121	548,401
32	Solar Rebate Program - Carrying Costs	DERP Model Output	40,228	39,975	39,721	39,468	742,166
33	Shared Solar Program	DERP Model Output	2,650	2,650	2,650	2,650	41,554
34	NEM Avoided Capacity Costs	DERP Model Output	4,767	4,780	4,868	4,950	53,093
35	NEM Meter Costs	DERP Model Output	11,118	11,143	11,250	11,512	157,189
36	General and Administrative Expenses	DERP Model Output	21,834	21,834	21,834	21,834	359,772
37	Interest on under-collection due to cap	Review Period Average	20	20	20	20	327
38	Total DER Incremental Costs	Sum Lines 29:37	\$ 283,391	\$ 283,672	\$ 286,132	\$ 289,971	\$ 3,651,987
39	Revenue Collected	No. of accts * approved rates	236,474	235,275	238,468	233,050	3,413,303
40	Current Month (Over) / Under Recovered Balance	Line 39 - Line 40	\$ 46,917	\$ 48,398	\$ 47,664	\$ 56,921	\$ 238,682
41	Adjustments		807				7,045
	Cumulative SC DERP Incremental Costs (Over) / Under	Prior Month Cumulative Balance					
42	Recovered Balance	+Line 40 + Line 41	\$ 92,745	\$ 141,143	\$ 188,806	\$ 245,727	\$ 245,727

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
CALCULATION OF DERP INCREMENTAL COSTS (OVER) / UNDER RECOVERY
FOR THE PERIOD MARCH 2019 - JUNE 2020

Exhibit 10
DOCKET NO. 2020-1-E

Line No.			March 2019 through December 2019	January 2020 through June 2020	
1	Total DERP (Over) / Under Balance	Exhibit 9	\$ 60,039	185,688	
	Allocation of DERP Incremental (Over) / Under Recovery		Firm Peak Demand - 2018	March 2019 through December 2019	Cost Allocated per Firm Peak Demand
2	Residential	2 Yrs Prior Peak	60.91%		\$ 36,568
3	Commercial (General Service demand /non-demand)	2 Yrs Prior Peak	24.11%		14,475
4	Industrial (General Service demand /non-demand)	2 Yrs Prior Peak	14.98%		8,996
5	Total	Sum Lines 2:4	100.00%	60,039	\$ 60,039
	Allocation of DERP Incremental (Over) / Under Recovery		Firm Peak Demand - 2019	January 2020 through June 2020	Cost Allocated per Firm Peak Demand
6	Residential	1 Yr Prior Peak	52.93%		\$ 98,278
7	Commercial (General Service demand /non-demand)	1 Yr Prior Peak	27.95%		51,899
8	Industrial (General Service demand /non-demand)	1 Yr Prior Peak	19.12%		35,510
9	Total	Sum Lines 6:8	100.00%	185,688	\$ 185,688
			Total Cost Allocated per Firm Peak Demand	Projected Number of Accounts in Billing Period	\$ per Account per Year \$ per Account per Month
10	Residential	Cost Line 2 + Cost Line 6	\$ 134,846	143,405	\$ 0.94 \$ 0.08
11	Commercial (General Service demand /non-demand)	Cost Line 3 + Cost Line 7	66,374	33,021	2.01 0.17
12	Industrial (General Service demand /non-demand)	Cost Line 4 + Cost Line 8	44,506	284	\$ 156.79 \$ 13.07
13	Total	Sum Lines 10:12	\$ 245,727	176,710	

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
PROJECTED DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND REVENUES JULY 2020 - JUNE 2021

Exhibit 1
DOCKET NO. 2020-11

Line No.	Description	Reference	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
DERP Incremental Costs								
1	Purchased Power Agreements	DERP Model Output	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690
2	DER NEM Incentive	DERP Model Output	254,476	260,978	268,062	272,396	280,532	287,660
3	Solar Rebate Program - Amortization	DERP Model Output	47,121	47,121	47,121	47,121	47,121	47,121
4	Solar Rebate Program - Carrying Costs	DERP Model Output	39,214	38,961	38,708	38,454	38,201	37,948
5	Shared Solar Program	DERP Model Output	2,623	2,623	2,623	2,623	2,623	2,623
6	NEM Avoided Capacity Costs	DERP Model Output	5,099	5,200	5,335	5,403	5,561	5,688
7	NEM Meter Costs	DERP Model Output	11,808	12,129	12,382	12,596	12,873	13,169
8	General and Administrative Expenses	DERP Model Output	21,834	21,834	21,834	21,834	21,834	21,834
9	Interest on under-collection due to cap	Review Period Average	20	20	20	20	20	20
10	Total DER Incremental Costs	Sum Lines 1: 9	\$ 385,885	\$ 392,556	\$ 399,774	\$ 404,136	\$ 412,455	\$ 419,752

Line No.	Description	Reference	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	Billing Period Twelve Months Ended June 2021
DERP Incremental Costs									
11	Purchased Power Agreements	DERP Model Output	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690	\$ 3,690	\$ 44,279
12	DER NEM Incentive	DERP Model Output	294,679	294,679	294,679	294,679	294,679	294,679	3,392,178
13	Solar Rebate Program - Amortization	DERP Model Output	47,121	47,121	47,121	47,121	47,121	47,121	565,450
14	Solar Rebate Program - Carrying Costs	DERP Model Output	37,694	37,441	37,187	36,934	36,681	36,427	453,850
15	Shared Solar Program	DERP Model Output	2,623	2,623	2,623	2,623	2,623	2,623	31,471
16	NEM Avoided Capacity Costs	DERP Model Output	5,823	5,823	5,823	5,823	5,823	5,823	67,224
17	NEM Meter Costs	DERP Model Output	13,422	13,650	14,010	14,632	15,133	15,458	161,261
18	General and Administrative Expenses	DERP Model Output	19,072	19,072	19,072	19,072	19,072	19,072	245,433
19	Interest on under-collection due to cap	Review Period Average	20	20	20	20	20	20	245
20	Total DER Incremental Costs	Sum Lines 11:19	\$ 424,144	\$ 424,119	\$ 424,225	\$ 424,594	\$ 424,841	\$ 424,913	\$ 4,961,392

Exhibit 12
DOCKET NO. 2020-1-E

**DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM INCREMENTAL COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2020 - JUNE 2021**

<u>Line No.</u>			<u>July 2020 through June 2021</u>	
1	Total DERP Projected Incremental Costs	Exhibit 11 Line 20	4,961,392	
Allocation of DERP Incremental Costs				
			Firm Peak Demand - 2019	July 2020 through June 2021
2	Residential	Exhibit 10 Line 6	52.93%	Cost Allocated per Firm Peak Demand
3	Commercial (General Service demand /non-demand)	Exhibit 10 Line 7	27.95%	\$ 2,625,893
4	Industrial (General Service demand /non-demand)	Exhibit 10 Line 8	19.12%	1,386,695
5	Total	Sum Lines 2:4	100.00%	948,804
			4,961,392	\$ 4,961,392
Total Cost Allocated per Firm Peak Demand				
			Projected Number of Accounts in Billing Period	\$ per Account per Year
6	Residential	Cost Line 2	\$ 2,625,893	143,405
7	Commercial (General Service demand /non-demand)	Cost Line 3	1,386,695	33,021
8	Industrial (General Service demand /non-demand)	Cost Line 4	948,804	284
9	Total	Sum Lines 6:8	\$ 4,961,392	176,710
				\$ per Account per Month
				18.31 [1]
				41.99
				3,342.58 [1]
				1.53
				3.50
				278.55

Note:

[1] Residential and Industrial annual charge per-account will be capped not to exceed \$12 and \$1,200, respectively, including gross receipts taxes.

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit
Page 1 of 1
DOCKET NO. 2020-1-1

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 29,819	\$ 69,401	\$ 69,934	\$ 90,865	\$ 38,115	\$ 27,107
7	Shared Solar Program	Monthly Fuel Filing	537	3,163	4,911	5,837	5,071	3,647
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 30,356	\$ 72,564	\$ 74,845	\$ 96,702	\$ 43,186	\$ 30,754
9	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
10	DERP Avoided System Costs (c/kWh)	Line 8 / Line 9 * 100	0.001	0.002	0.002	0.002	0.001	0.000
11	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 2,774	\$ 8,441	\$ 7,232	\$ 9,145	\$ 4,151	\$ 3,064
13	SC Residential DER Avoided Costs Allocated by Firm CP	Line 12 * Line 1	\$ 1,690	\$ 5,141	\$ 4,405	\$ 5,570	\$ 2,528	\$ 1,867
14	SC Residential kWh Sales	Monthly Fuel Filing	150,838,802	135,293,463	132,158,652	178,608,854	197,182,984	210,823,939
15	SC Residential DERP Avoided Cost (c/kWh)	Line 13 / Line 14 * 100	0.001	0.004	0.003	0.003	0.001	0.001
16	SC Residential Rate Billed (c/kWh)	2018-1-E, 2019-1-E	0.003	0.003	0.003	0.003	0.003	0.003
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 / 100	\$ (2,803)	\$ 1,112	\$ 471	\$ 252	\$ (3,344)	\$ (4,411)
18	Prior Year Balance and Adjustment(s)	2019-1-E	(4,164)					
19	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ (6,967)	\$ (5,855)	\$ (5,384)	\$ (5,132)	\$ (8,475)	\$ (12,887)

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,407	\$ 44,713	\$ 33,995	\$ 15,445	\$ 11,521	\$ 44,132	\$ 556,458
21	Shared Solar Program	Monthly Fuel Filing	6,679	6,617	2,888	2,105	430	5,138	47,023
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 88,086	\$ 51,330	\$ 36,883	\$ 17,549	\$ 11,950	\$ 49,271	\$ 603,476
23	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
24	DERP Avoided System Costs (c/kWh)	Line 22 / Line 23 * 100	0.002	0.001	0.001	0.000	0.000	0.001	0.001
25	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,400
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,005	\$ 5,515	\$ 3,487	\$ 1,679	\$ 1,213	\$ 5,198	60,902
27	SC Residential DER Avoided Costs Allocated by Firm CP	Line 26 * Line 1	\$ 5,485	\$ 3,359	\$ 2,124	\$ 1,022	\$ 739	\$ 3,166	37,095
28	SC Residential kWh Sales	Monthly Fuel Filing	195,229,242	153,408,871	130,095,526	189,027,955	187,799,610	183,399,692	2,043,867,590
29	SC Residential DERP Avoided Cost (c/kWh)	Line 27 / Line 28 * 100	0.003	0.002	0.002	0.001	0.000	0.002	0.002
30	SC Residential Rate Billed (c/kWh)	2019-1-E	0.003	0.003	0.003	0.003	0.003	0.003	0.003
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 / 100	\$ (329)	\$ (1,209)	\$ (1,750)	\$ (4,610)	\$ (4,856)	\$ (2,298)	\$ (23,776)
32	Adjustment(s)								(4,164)
33	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ (13,216)	\$ (14,425)	\$ (16,175)	\$ (20,785)	\$ (25,641)	\$ (27,939)	\$ (27,939)

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - RESIDENTIAL
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 13
Page 2 of 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
34	Purchased Power Agreements	DERP Model Output	\$ 88,806	\$ 88,806	\$ 105,705	\$ 88,806	\$ 928,576
35	Shared Solar Program	DERP Model Output	13,142	13,142	13,142	13,142	99,592
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 101,948	\$ 101,948	\$ 118,847	\$ 101,948	\$ 1,028,168
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37* 100	0.002	0.002	0.003	0.002	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC DERP Avoided Costs	Line 38 * Line 39/ 100	\$ 11,312	\$ 11,753	\$ 13,130	\$ 10,548	\$ 107,648
41	SC Residential DER Avoided Costs Allocated by Firm CP	Line 40 * Line 1	\$ 5,987	\$ 6,220	\$ 6,949	\$ 5,583	\$ 61,835
42	Projected SC Residential kWh Sales	Exhibit 4 Page 2 Line 42	192,952,571	157,486,137	147,025,044	168,437,653	2,709,768,995
43	SC Residential DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.003	0.004	0.005	0.003	0.002
44	SC Residential Rate Billed (¢/kWh)	2019-1-E	0.003	0.003	0.003	0.003	0.003
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ 199	\$ 1,496	\$ 2,539	\$ 530	\$ (19,013)
46	Adjustment(s)		(512)				(4,676)
47	Cumulative SC Residential DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (28,253)	\$ (26,757)	\$ (24,218)	\$ (23,689)	\$ (23,689)
48	SC Projected SC Residential Sales July 2020 - June 2021	Exhibit 4 Page 2 Line 48					2,286,989,153
49	SC Residential DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					(0.001)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit 13
Page 3 of 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 29,819	\$ 69,401	\$ 69,934	\$ 90,865	\$ 38,115	\$ 27,107
7	Shared Solar Program	Monthly Fuel Filing	537	3,163	4,911	5,837	5,071	3,647
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 30,356	\$ 72,564	\$ 74,845	\$ 96,702	\$ 43,186	\$ 30,754
9	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 * 100	0.001	0.002	0.002	0.002	0.001	0.000
11	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 2,774	\$ 8,441	\$ 7,232	\$ 9,145	\$ 4,151	\$ 3,064
13	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 2	\$ 177	\$ 537	\$ 460	\$ 582	\$ 264	\$ 195
14	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	18,802,778	18,470,644	20,665,697	27,634,750	28,954,737	31,239,904
15	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 13 / Line 14 * 100	0.001	0.003	0.002	0.002	0.001	0.001
16	SC General Service (non-demand) Rate Billed (¢/kWh)	2018-1-E, 2019-1-E	0.001	0.001	0.001	0.001	0.002	0.003
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16) * Line 14 / 100	\$ (11)	\$ 352	\$ 253	\$ 306	\$ (290)	\$ (739)
18	Prior Year Balance and Adjustment(s)	2019-1-E	1,531					
19	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ 1,520	\$ 1,872	\$ 2,125	\$ 2,431	\$ 2,142	\$ 1,403

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,407	\$ 44,713	\$ 33,995	\$ 15,445	\$ 11,521	\$ 44,132	\$ 556,454
21	Shared Solar Program	Monthly Fuel Filing	6,679	6,617	2,888	2,105	430	5,138	47,022
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 88,086	\$ 51,330	\$ 36,883	\$ 17,549	\$ 11,950	\$ 49,271	\$ 603,476
23	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23 * 100	0.002	0.001	0.001	0.000	0.000	0.001	0.001
25	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,005	\$ 5,515	\$ 3,487	\$ 1,679	\$ 1,213	\$ 5,198	\$ 60,905
27	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 2	\$ 573	\$ 351	\$ 222	\$ 107	\$ 77	\$ 331	\$ 3,877
28	SC General Service (non-demand) kWh Sales	Monthly Fuel Filing	29,471,447	25,454,842	21,024,882	23,888,093	22,816,346	21,900,092	290,324,212
29	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 27 / Line 28 * 100	0.002	0.001	0.001	0.000	0.000	0.002	0.001
30	SC General Service (non-demand) Rate Billed (¢/kWh)	2019-1-E	0.003	0.003	0.003	0.003	0.003	0.003	0.003
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30) * Line 28 / 100	\$ (311)	\$ (413)	\$ (409)	\$ (610)	\$ (607)	\$ (326)	\$ (2,804)
32	Adjustment(s)								1,531
33	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ 1,092	\$ 679	\$ 270	\$ (340)	\$ (947)	\$ (1,273)	\$ (1,273)

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (NON-DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 13
Page 4 of 8
DOCKET NO. 2020-1-

Line No.	Class	Winter 2018 Firm Coincident Peak		Winter 2019 Firm Coincident Peak	
		(CP) KWs	CP %	(CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
34	Purchased Power Agreements	DERP Model Output	\$ 88,806	\$ 88,806	\$ 105,705	\$ 88,806	\$ 928,576
35	Shared Solar Program	DERP Model Output	13,142	13,142	13,142	13,142	99,592
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 101,948	\$ 101,948	\$ 118,847	\$ 101,948	\$ 1,028,168
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37 * 100	0.002	0.002	0.003	0.002	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC DERP Avoided Costs	Line 38 * Line 39 / 100	\$ 11,312	\$ 11,753	\$ 13,130	\$ 10,548	\$ 107,648
41	SC General Service (non-demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 2	\$ 591	\$ 614	\$ 686	\$ 551	\$ 6,317
42	Projected SC General Service (non-demand) kWh Sales	Exhibit 4 Page 4 Line 42	23,356,984	23,190,388	23,384,218	24,443,003	384,698,804
43	SC General Service (non-demand) DERP Avoided Cost (¢/kWh)	Line 41 / Line 42 * 100	0.003	0.003	0.003	0.002	0.002
44	SC General Service (non-demand) Rate Billed (¢/kWh)	2019-1-E	0.003	0.003	0.003	0.003	0.003
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44)*Line 42 /100	\$ (111)	\$ (82)	\$ (16)	\$ (183)	\$ (3,196)
46	Adjustment(s)		(74)				1,457
47	Cumulative SC General Service (non-demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ (1,458)	\$ (1,540)	\$ (1,556)	\$ (1,739)	\$ (1,739)
48	SC Projected General Service (non-demand) kWh Sales July 2020 - June 2021	Exhibit 4 Page 4 Line 48					292,783,481
49	SC General Service (non-demand) DERP Avoided Costs Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					(0.001)

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit 13
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DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 29,819	\$ 69,401	\$ 69,934	\$ 90,865	\$ 38,115	\$ 27,107
7	Shared Solar Program	Monthly Fuel Filing	537	3,163	4,911	5,837	5,071	3,647
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 30,356	\$ 72,564	\$ 74,845	\$ 96,702	\$ 43,186	\$ 30,754
9	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9* 100	0.001	0.002	0.002	0.002	0.001	0.000
11	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 2,774	\$ 8,441	\$ 7,232	\$ 9,145	\$ 4,151	\$ 3,064
13	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 3	\$ 908	\$ 2,763	\$ 2,367	\$ 2,993	\$ 1,358	\$ 1,003
14	SC General Service (demand) kW Sales	Monthly Fuel Filing	668,998	841,884	768,537	677,466	891,840	800,879
15	SC General Service (demand) DERP Avoided Costs (¢/kWh)	Line 13 / Line 14 * 100	0.136	0.328	0.308	0.442	0.152	0.125
16	SC General Service (demand) Rate Billed (¢/kWh)	2018-1-E, 2019-1-E	-	-	-	-	-	-
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 /100	\$ 908	\$ 2,763	\$ 2,367	\$ 2,993	\$ 1,358	\$ 1,003
18	Prior Year Balance and Adjustment(s)	2019-1-E	21,921					
19	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ 22,829	\$ 25,591	\$ 27,958	\$ 30,951	\$ 32,310	\$ 33,312

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,407	\$ 44,713	\$ 33,995	\$ 15,445	\$ 11,521	\$ 44,132	\$ 556,454
21	Shared Solar Program	Monthly Fuel Filing	6,679	6,617	2,888	2,105	430	5,138	47,022
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 88,086	\$ 51,330	\$ 36,883	\$ 17,549	\$ 11,950	\$ 49,271	\$ 603,476
23	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
24	DERP Avoided System Costs (¢/kWh)	Line 22 / Line 23* 100	0.002	0.001	0.001	0.000	0.000	0.001	
25	SC Retail Sales kWh	Monthly Fuel Filing	590,057,340	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,005	\$ 5,515	\$ 3,487	\$ 1,679	\$ 1,213	\$ 5,198	\$ 60,905
27	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 3	\$ 2,948	\$ 1,805	\$ 1,141	\$ 549	\$ 397	\$ 1,701	\$ 19,933
28	SC General Service (demand) kW Sales	Monthly Fuel Filing	800,390	850,581	698,015	781,061	781,542	781,542	9,342,736
29	SC General Service (demand) DERP Avoided Costs (¢/kWh)	Line 27 / Line 28 * 100	0.37	0.21	0.16	0.07	0.05	0.22	0.21
30	SC General Service (demand) Rate Billed (¢/kWh)	2019-1-E	-	-	-	-	-	-	
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 /100	\$ 2,947	\$ 1,805	\$ 1,141	\$ 549	\$ 397	\$ 1,701	\$ 19,932
32	Adjustment(s)								21,921
33	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ 36,260	\$ 38,064	\$ 39,206	\$ 39,755	\$ 40,152	\$ 41,853	\$ 41,853

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - GENERAL SERVICE (DEMAND)
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 13
Page 6 of 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
34	Purchased Power Agreements	DERP Model Output	\$ 88,806	\$ 88,806	\$ 105,705	\$ 88,806	\$ 928,576
35	Shared Solar Program	DERP Model Output	13,142	13,142	13,142	13,142	99,592
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 101,948	\$ 101,948	\$ 118,847	\$ 101,948	\$ 1,028,168
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	DERP Avoided System Costs (¢/kWh)	Line 36 / Line 37 * 100	0.002	0.002	0.003	0.002	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC DERP Avoided Costs	Line 38 * Line 39 / 100	\$ 11,312	\$ 11,753	\$ 13,130	\$ 10,548	\$ 107,648
41	SC General Service (demand) DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 3	\$ 4,734	\$ 4,919	\$ 5,495	\$ 4,415	\$ 39,497
42	Projected SC General Service (demand) kW Sales	Exhibit 4 Page 6 Line 42	837,041	669,517	827,625	912,779	12,589,698
43	SC General Service (demand) DERP Avoided Costs (¢/kWh)	Line 41 / Line 42 * 100	0.566	0.735	0.664	0.484	0.314
44	SC General Service (demand) Rate Billed (¢/kWh)	2019-1-E	-	-	-	-	-
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ 4,734	\$ 4,919	\$ 5,495	\$ 4,415	\$ 39,496
46	Adjustment(s)		586				22,507
47	Cumulative SC General Service (demand) DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 45 + Line 46	\$ 47,174	\$ 52,092	\$ 57,588	\$ 62,002	\$ 62,002
48	SC Projected General Service (demand) kW Sales July 2020 - June 2021	Exhibit 4 Page 6 Line 48					10,079,026
49	SC General Service (demand) DERP Avoided Cost Increment / (Decrement) (¢/kW)	Line 47 / Line 48 * 100					

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING
ACTUAL COSTS AND REVENUES MARCH 2019 - FEBRUARY 2020

Exhibit 13
Page 7 of 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Actual March 2019	Actual April 2019	Actual May 2019	Actual June 2019	Actual July 2019	Actual August 2019
6	Purchased Power Agreements	Monthly Fuel Filing	\$ 29,819	\$ 69,401	\$ 69,934	\$ 90,865	\$ 38,115	\$ 27,107
7	Shared Solar Program	Monthly Fuel Filing	537	3,163	4,911	5,837	5,071	3,647
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 30,356	\$ 72,564	\$ 74,845	\$ 96,702	\$ 43,186	\$ 30,754
9	Total System kWh Sales	Monthly Fuel Filing	4,552,981,616	4,398,167,319	4,868,265,517	5,337,855,747	6,250,791,458	6,164,720,271
10	DERP Avoided Costs (c/kWh)	Line 8 / Line 9 * 100	0.001	0.002	0.002	0.002	0.001	0.000
11	SC Retail Sales kWh	Monthly Fuel Filing	416,088,164	511,637,028	470,414,028	504,805,806	600,795,493	614,282,414
12	SC DERP Avoided Costs	Line 10 * Line 11 / 100	\$ 2,774	\$ 8,441	\$ 7,232	\$ 9,145	\$ 4,151	\$ 3,064
13	SC Lighting DERP Avoided Costs Allocated by Firm CP	Line 12 * Line 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	SC Lighting kWh Sales	Monthly Fuel Filing	6,689,961	6,728,220	6,641,827	6,621,076	6,680,462	6,850,282
15	SC Lighting DERP Avoided Costs (c/kWh)	Line 13 / Line 14 * 100	-	-	-	-	-	-
16	SC Lighting Rate Billed (c/kWh)	2018-1-E, 2019-1-E	-	-	-	-	-	-
17	Current Month (Over) / Under Recovered Balance	(Line 15 - Line 16)*Line 14 /100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18	Prior Year Balance and Adjustment(s)	2019-1-E	-	-	-	-	-	-
19	Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 17 + Line 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Line No.	Description	Reference	Actual September 2019	Actual October 2019	Actual November 2019	Actual December 2019	Actual January 2020	Actual February 2020	Review Period Twelve Months Ended February 2020
20	Purchased Power Agreements	Monthly Fuel Filing	\$ 81,407	\$ 44,713	\$ 33,995	\$ 15,445	\$ 11,521	\$ 44,132	\$ 556,454
21	Shared Solar Program	Monthly Fuel Filing	6,679	6,617	2,888	2,105	430	5,138	47,022
22	Total DERP Avoided Costs	Line 20 + Line 21	\$ 88,086	\$ 51,330	\$ 36,883	\$ 17,549	\$ 11,950	\$ 49,271	\$ 603,476
23	Total System kWh Sales	Monthly Fuel Filing	5,771,928,238	4,931,283,369	4,401,332,110	5,097,124,966	5,124,599,524	4,868,332,707	61,767,382,842
24	DERP Avoided Costs (c/kWh)	Line 22 / Line 23 * 100	0.002	0.001	0.001	0.000	0.000	0.001	0.000
25	SC Retail Sales kWh	Monthly Fuel Filing	590,057,540	529,829,607	416,114,344	487,513,772	519,996,190	513,641,018	6,175,175,404
26	SC DERP Avoided Costs	Line 24 * Line 25 / 100	\$ 9,005	\$ 5,515	\$ 3,487	\$ 1,679	\$ 1,213	\$ 5,198	\$ 60,905
27	SC Lighting DERP Avoided Costs Allocated by Firm CP	Line 26 * Line 4	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
28	SC Lighting kWh Sales	Monthly Fuel Filing	6,430,052	6,790,304	6,559,351	6,430,252	6,581,684	6,553,176	79,556,647
29	SC Lighting DERP Avoided Costs (c/kWh)	Line 27 / Line 28 * 100	-	-	-	-	-	-	0.000
30	SC Lighting Rate Billed (c/kWh)	2019-1-E	-	-	-	-	-	-	-
31	Current Month (Over) / Under Recovered Balance	(Line 29 - Line 30)*Line 28 /100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32	Adjustment(s)		-	-	-	-	-	-	-
33	Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovered Balance	Prior Month Cum Bal + Line 31 + Line 32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS (OVER) / UNDER RECOVERY - LIGHTING
ESTIMATED COSTS AND REVENUES MARCH 2020 - JUNE 2020

Exhibit 13
Page 8 of 8
DOCKET NO. 2020-1-E

Line No.	Class	Winter 2018 Firm Coincident Peak (CP) KWs	CP %	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	777,822	60.91%	617,032	52.93%
2	General Service (non-demand)	81,290	6.37%	60,868	5.22%
3	General Service (demand)	417,943	32.73%	487,930	41.85%
4	Lighting	0	0.00%	0	0.00%
5	Total SC	1,277,055	100.00%	1,165,830	100.00%

Line No.	Description	Reference	Estimated March 2020	Estimated April 2020	Estimated May 2020	Estimated June 2020	Sixteen Months Ended June 2020
34	Purchased Power Agreements	DERP Model Output	\$ 88,806	\$ 88,806	\$ 105,705	\$ 88,806	\$ 928,576
35	Shared Solar Program	DERP Model Output	13,142	13,142	13,142	13,142	99,592
36	Total DERP Avoided Costs	Line 33 + Line 34	\$ 101,948	\$ 101,948	\$ 118,847	\$ 101,948	\$ 1,028,168
37	Total Projected System kWh Sales	Exhibit 2 Page 3 Line 57	4,872,881,427	4,354,211,824	4,477,357,172	5,145,288,296	80,617,121,561
38	DERP Avoided Costs (¢/kWh)	Line 36 / Line 37 * 100	0.002	0.002	0.003	0.002	
39	Projected SC Retail Sales kWh	Exhibit 2 Page 3 Line 61	540,694,739	501,963,750	494,663,166	532,361,046	8,244,858,105
40	SC DERP Avoided Costs	Line 38 * Line 39 / 100	\$ 11,312	\$ 11,753	\$ 13,130	\$ 10,548	\$ 107,648
41	SC Lighting DERP Avoided Costs Allocated by Firm CP	Line 40 * Line 4	-	-	-	-	-
42	Projected SC Lighting kWh Sales		7,621,529	7,549,277	7,613,724	7,923,187	110,264,365
43	SC Lighting DERP Avoided Costs (¢/kWh)	Line 41 / Line 42 * 100	-	-	-	-	
44	SC Lighting Rate Billed (¢/kWh)	2019-1-E	-	-	-	-	
45	Current Month (Over) / Under Recovered Balance	(Line 43 - Line 44) * Line 42 / 100	\$ -	\$ -	\$ -	\$ -	\$ -
46	Adjustment(s)	Prior Month Cum Bal + Line 45 +					\$ -
47	Cumulative SC Lighting DERP Avoided Costs (Over) / Under Recovered Balance	Line 46	\$ -	\$ -	\$ -	\$ -	\$ -
48	SC Projected Lighting kWh Sales July 2020 - June 2021	Exhibit 5 Line 30					95,083,852
49	SC Lighting DERP Avoided Increment / (Decrement) (¢/kWh)	Line 47 / Line 48 * 100					0.00%

DUKE ENERGY PROGRESS, LLC
SOUTH CAROLINA RETAIL FUEL CASE
DISTRIBUTED ENERGY RESOURCE PROGRAM AVOIDED COSTS
PROJECTED BILLING PERIOD COSTS AND PROPOSED RATES JULY 2020 - JUNE 2021

Exhibit C
DOCKET NO. 2020-1-11

Line No.	Class	Winter 2019 Firm Coincident Peak (CP) KWs	CP %
1	Residential	617,032	52.93%
2	General Service (non-demand)	60,868	5.22%
3	General Service (demand)	487,930	41.85%
4	Lighting	0	0.00%
5	Total SC	1,165,830	100.00%

Line No.	Description	Reference	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020
6	Purchased Power Agreements	DERP Model Output	\$ 88,584	\$ 88,584	\$ 88,584	\$ 88,584	\$ 88,584	\$ 88,584
7	Shared Solar Program	DERP Model Output	13,109	13,109	13,109	13,109	13,109	13,109
8	Total DERP Avoided Costs	Line 6 + Line 7	\$ 101,693	\$ 101,693	\$ 101,693	\$ 101,693	\$ 101,693	\$ 101,693
9	Projected Total System Sales	Exhibit 3 Line 9	6,054,431,409	6,137,773,942	5,427,848,319	4,598,186,850	4,480,516,888	5,031,197,311
10	DERP Avoided System Costs (¢/kWh)	Line 8 / Line 9 *100	0.002	0.002	0.002	0.002	0.002	0.002
11	Projected SC Retail Sales	Exhibit 3: (Line 13 - Line 10)	630,496,073	652,700,279	594,568,188	528,695,625	493,825,229	535,320,525
12	SC DERP Avoided Costs	Line 10 * Line 11 /100	\$ 10,590	\$ 10,814	\$ 11,140	\$ 11,693	\$ 11,208	\$ 10,820

Line No.	Description	Reference	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	Billing Period Twelve Months Ended June 2021
13	Purchased Power Agreements	DERP Model Output	\$ 88,584	\$ 88,584	\$ 88,584	\$ 88,584	\$ 105,483	\$ 88,584	\$ 1,079,907
14	Shared Solar Program	DERP Model Output	13,109	13,109	13,109	13,109	13,109	13,109	157,310
15	Total DERP Avoided Costs	Line 13 + Line 14	\$ 101,693	\$ 101,693	\$ 101,693	\$ 101,693	\$ 118,593	\$ 101,693	\$ 1,237,216
16	Projected Total System Sales	Exhibit 3 Line 25	5,631,937,385	5,308,135,401	4,895,114,534	4,344,226,980	4,464,365,308	5,158,639,980	61,532,374,300
17	DERP Avoided System Costs (¢/kWh)	Line 15 / Line 16 *100	0.002	0.002	0.002	0.002	0.003	0.002	0.002
18	Projected SC Retail Sales	Exhibit 3: (Line 29 - Line 26)	583,427,440	573,721,046	543,422,160	500,677,082	493,156,337	534,654,644	6,664,664,630
19	SC DERP Avoided Costs	Line 17 * Line 18 /100	\$ 10,535	\$ 10,991	\$ 11,289	\$ 11,720	\$ 13,100	\$ 10,540	\$ 134,440
SC DERP Avoided Costs Allocated on Firm CP kW's									
20	Residential	Total Line 19 * Line 1							\$ 71,150
21	General Service (non-demand)	Total Line 19 * Line 2							7,011
22	General Service (demand)	Total Line 19 * Line 3							56,266
23	Lighting	Total Line 19 * Line 4							-
24	Total SC	Sum Lines 20:23							\$ 134,440
Projected SC Retail Sales kWh (July 2020 - June 2021)									
25	Residential	Exhibit 4 Page 2 Line 48							2,286,989,150
26	General Service (non-demand)	Exhibit 4 Page 4 Line 48							292,783,466
27	General Service (demand)	Exhibit 5 Line 29							3,989,808,144
28	Lighting	Exhibit 5 Line 30							95,083,852
29	Total SC	Sum Lines 25:28							6,664,664,630
SC DERP Avoided Costs ¢/kWh									
30	Residential	Line 20 / Line 25 * 100							0.003
31	General Service (non-demand)	Line 21 / Line 26 * 100							0.002
32	Lighting	Line 23 / Line 28 * 100							0.000
33	Projected SC KW Sales (General Service demand)	Exhibit 4 Page 6 Line 48							10,079,026
34	General Service (Demand) charge for SC DERP Avoided Costs	Line 22 / Line 33 * 100							1

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